



**VISAYAS**  
STATE UNIVERSITY

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **Supply and Delivery of Laboratory Equipment, Supplies and Chemicals (VSU-GOODS-24-28)**

**Government of the Republic of the Philippines**

**April 8, 2024; 9:00 AM**

**BAC Conference Room, VSU Market, Visca, Baybay City, Leyte  
and via Zoom**

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## ***Glossary of Acronyms, Terms, and Abbreviations***

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

**Bid** – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

**Bidder** – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

**Bidding Documents** – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

**Consulting Services** – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

**CDA** - Cooperative Development Authority.

**Contract** – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

**DDP** – Refers to the quoted price of the Goods, which means “delivered duty paid.”



**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

**Foreign-funded Procurement or Foreign-Assisted Project**– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

**Framework Agreement** – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

**GFI** – Government Financial Institution.

**GOCC** – Government-owned and/or –controlled corporation.

**Goods** – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

**Infrastructure Projects** – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])



**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

**Procurement Project** – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

**Supplier** – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

**UN** – United Nations.



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## ***Section I. Invitation to Bid***



## INVITATION TO BID FOR SUPPLY AND DELIVERY OF LABORATORY EQUIPMENT, SUPPLIES AND CHEMICALS

1. The *Visayas State University* through the *GF, STF and TF 2024* intends to apply the sum of *Six Million Three Hundred Fifty One Thousand Nine Hundred Five Pesos (PhP 6,351,905.00)* being the ABC to payments under the contract for *Supply and Delivery of Laboratory Equipment, Supplies and Chemicals (VSU-GOODS-24-28)*. Bids received in excess of the ABC shall be automatically rejected at bid opening.

The *Visayas State University*, through the *GF, STF and TF 2024* intends to apply the following ABC per item to payments under the contract for each item, to wit:

Item #	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	0.5M EDTA, 100 ml	btl	1	4,685.00	4,685.00
2	100 ml Type 1, class A borosilicate glass Beaker	pc	30	500.00	15,000.00
3	1000mL Beaker Plastic	pc	3	400.00	1,200.00
	<i>The polypropylene beaker has excellent transparency and the contents can be seen well.</i>				
	<i>Can be autoclaved.</i>				
	<i>Has excellent chemical resistance and durability</i>				
	<i>Specification: With scale, with handle</i>				
	<i>Material: Polypropylene (PP)</i>				
	<i>Type: Beaker with handle</i>				
	<i>Scale: Yes</i>				
	<i>Heat Resistance Temperature (°C): 120</i>				
	<i>Handle: Yes</i>				
4	10x TBE Buffer, 500 ml	btl	1	3,900.00	3,900.00
	<i>biotechnology grade;</i>				
5	125 ml Erlenmeyer flask	pc	78	500.00	39,000.00
6	2,4-dinitrophenylhydrazine	btl	1	12,000.00	12,000.00
	<i>Melting point: 197-200 °C (lit.)</i>				
	<i>Boiling point: 335.43°C (rough estimate)</i>				
	<i>Density 0.843 g/mL at 20 °C</i>				
	<i>refractive index n<sub>20/D</sub> 1.374</i>				
	<i>Flash point: 14 °C</i>				
	<i>storage temp. 2-8°C</i>				
	<i>solubility 50% sulfuric acid: 10 mg/mL, clear, colorless</i>				
	<i>form crystals</i>				
	<i>pka 12.1(at 25°C)</i>				
	<i>color Red</i>				
	<i>PH Range Yellow (11.0) to brown (12.5)</i>				
	<i>Water Solubility slightly soluble</i>				



	<i>Stability: Stable when wet, but explosive when dry. May be shock sensitive when dry. Highly flammable. Incompatible with strong oxidizing agents.</i>				
	<i>Major Application Fuel cells, detecting microorganisms, antibacterial agent, treatment of acute and chronic hepatitis, gynecopathy, cardiovascular diseases, cerebrovascular diseases</i>				
	<i>Packaging: 100grams/1 bottle</i>				
7	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	<b>box</b>	<b>4</b>	<b>200.00</b>	<b>800.00</b>
8	<b>50 ml Type 1, class A borosilicate glass Beaker</b>	<b>pc</b>	<b>30</b>	<b>400.00</b>	<b>12,000.00</b>
9	<b>5M NaCl, 250 ml</b>	<b>btl</b>	<b>1</b>	<b>4,250.00</b>	<b>4,250.00</b>
	<i>biotechnology grade;</i>				
10	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	<b>gal</b>	<b>7</b>	<b>800.00</b>	<b>5,600.00</b>
11	<b>Acetic Acid</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	<i>Grade: ACS grade</i>				
	<i>CAS: 64-19-7</i>				
	<i>Pack Size: 500 mL</i>				
	<i>Form: Liquid</i>				
	<i>Molar Mass: 60.05 g/mol</i>				
	<i>Pack Type: Natural Poly bottle</i>				
	<i>Glacial: 99 - 100 %</i>				
12	<b>Acetone</b>	<b>gal</b>	<b>3</b>	<b>1,600.00</b>	<b>4,800.00</b>
	<b>Acetone, Technical Grade</b>				
	<b>1gal</b>				
13	<b>Advanced Operator Panel (AOP) for a Variable Speed Controller</b>	<b>unit</b>	<b>1</b>	<b>9,000.00</b>	<b>9,000.00</b>
	<i>Input: 200-240V + 10% - 10% 1Diameter AC 35.5A; 47 - 63 Hz</i>				
	<i>Output: 0-INPUT V 3diameter AC; 13.6A; 0-650 Hz</i>				
	<i>Motor: 3kW</i>				
	<i>Tem range: -10 to +50deg celsius</i>				
	<i>Duty Class II</i>				
	<i>Weight: 4.7kg/10.3lbs'</i>				
	<i>Line filter Class A</i>				
14	<b>Agar Agar</b>	<b>kg</b>	<b>2</b>	<b>2,800.00</b>	<b>5,600.00</b>
15	<b>Agarose, molbio grade, 100g/bot</b>	<b>btl</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
16	<b>Alcohol, Denatured</b>	<b>gal</b>	<b>5</b>	<b>600.00</b>	<b>3,000.00</b>
17	<b>Alcohol, Ethyl, 95% (Tech)</b>	<b>liter</b>	<b>5</b>	<b>1,500.00</b>	<b>7,500.00</b>
18	<b>All American Pressure Canner/ Steam Sterilizer (Non Electric)</b>	<b>pc</b>	<b>1</b>	<b>48,875.00</b>	<b>48,875.00</b>
	<i>For a 27.9 Qt Inner Capacity Container Sterilizer:</i>				
	<i>Capacity - (27.9 Qt Inner Container Capacity)</i>				
	<i>Overall Height - 19 inches</i>				
	<i>Bottom Height - 14 1/4 inches</i>				
	<i>Inside Diameter - 15 1/4 inches</i>				
	<i>For a 28 Qt Inner Capacity Container Sterilizer:</i>				
	<i>Inside Depth - 10 1/2 inches</i>				





	<i>Inside Diameter - 14 inches</i>				
	<i>Circumference - 44 1/2 inches</i>				
	<i>Capacity - 28 Quarts</i>				
	<i>Made in the U.S.A.</i>				
	<i>For a 25 Qt Inner Capacity Sterilizer:</i>				
	<i>Includes 2 cooking/canning racks and instruction &amp; recipe book</i>				
	<i>Capacity - 25 Quarts (Liquid), 19 Pint Jars, 7 Quart Jars</i>				
	<i>Inside diameter - 12 5/8 inches</i>				
	<i>Inside Height - 11 7/8 inches</i>				
	<i>Overall Height - 16 3/4 inches</i>				
	<i>*Jar capacities are based on round regular mouth standard Mason jar sizes.</i>				
	<i>Made in the U.S.A.</i>				
	<i>Professional quality, extra heavy duty cast aluminum construction throughout</i>				
	<i>for fast &amp; even heating</i>				
	<input type="checkbox"/> <i>Stay-cool bakelite top handle</i>				
	<input type="checkbox"/> <i>Geared steam gauge</i>				
	<input type="checkbox"/> <i>Equipped with 2 automatic venting features which provide an extra margin of</i>				
	<i>safety (the safety control valve &amp; overpressure plug)</i>				
	<input type="checkbox"/> <i>Pressure regulator weight with settings of 5, 10 and 15 psi</i>				
	<input type="checkbox"/> <i>Smooth, easy to clean satin finish</i>				
	<input type="checkbox"/> <i>Double thickness edges for additional protection on points of heaviest wear</i>				
<b>19</b>	<b>Amber Glass Bottles with Dropper (100ml)</b>	<b>btl</b>	<b>5</b>	<b>150.00</b>	<b>750.00</b>
<b>20</b>	<b>Amber Injection Glass Vials with cover, 2mL</b>	<b>pack</b>	<b>2</b>	<b>3,500.00</b>	<b>7,000.00</b>
	<i>Screw top vial, 2 mL</i>				
	<i>Amber, write-on spot with cover</i>				
	<i>Autoclavable</i>				
	<i>Compatible with Agilent HPLC Sampler</i>				
	<i>Pack of 100 vials</i>				
<b>21</b>	<b>Ammonium Nitrate</b>	<b>kg</b>	<b>2</b>	<b>8,000.00</b>	<b>16,000.00</b>
	<input checked="" type="checkbox"/> <i>AR grade; at least 98% purity</i>				
	<input checked="" type="checkbox"/> <i>Molecular Wt. 80.043 grams per mol.</i>				
	<input checked="" type="checkbox"/> <i>1kg/pack</i>				
<b>22</b>	<b>Ammonium Phosphate Dibasic</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<input checked="" type="checkbox"/> <i>Analytical Grade</i>				
	<input checked="" type="checkbox"/> <i>500 G bottle</i>				
<b>23</b>	<b>a-Naphthalene Acetic Acid (NAA), extra pure, 100g</b>	<b>btl</b>	<b>1</b>	<b>3,800.00</b>	<b>3,800.00</b>
	<input checked="" type="checkbox"/> <i>&gt;100 g in poly bottle</i>				
	<input checked="" type="checkbox"/> <i>&gt;suitable for plant cell culture</i>				
	<input checked="" type="checkbox"/> <i>&gt;BioReagent, ≥95%, crystalline</i>				
<b>24</b>	<b>Anhydrous Sodium Sulfate, AR</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	<i>Analytical grade</i>				



	Anhydrous				
	Powder form				
	Size: 500g per bottle				
<b>25</b>	<b>Ascorbic acid</b>	<b>btl</b>	<b>2</b>	<b>1,800.00</b>	<b>3,600.00</b>
	☐Analytical reagent grade, crystalline powder, 25 g/bottle				
<b>26</b>	<b>Benchtop Multiparameter Meter</b>	<b>set</b>	<b>1</b>	<b>190,000.00</b>	<b>190,000.00</b>
	Inclusions				
	1 Meter				
	1 Glass pH Electrode with built-in temp sensor				
	1 Conductivity Electrode with built-in temp sensor				
	Meter Accessory set				
	Buffer solutions (4, 7, 10) 250 mL each bottle				
	3.33 M KCl reference electrolyte (250 mL)				
	Conductivity Standard Solutions (84 uS/cm, 1413 uS/cm, 12.88 mS/cm, 111.8 mS/cm) 250 mL each bottle				
	Delivery and Installation				
	1 Free PM and Calibration 1 year after the installation				
	Meter Specifications				
	Meter must be dual channel and able to do simultaneous measurements				
	1 channel must be able to measure either pH, Ion, mV, and ORP				
	1 channel must be able to measure either conductivity, salinity, resistivity, and TDS				
	Both channels must display temperature data				
	Meter display must be colored screen to distinguish between parameters				
	Meter display must be touchscreen (or no buttons) and waterproof or chemical-resistant to prevent moisture and chemical damage during analysis				
	Meter display must be covered with a glass panel and protection cover				
	Meter must have an automatic calibration function and automatic buffer recognition				
	Meter software must include electrode status				
	Power Requirement of the equipment is 220V.				
	pH specifications				
	Measurement must be through glass electrode method				
	Measurement range must have a wider range than pH 0.000– 14.000				
	Resolution must be up to 0.001 pH				
	Accuracy must be $\pm 0.001$ pH				
	pH calibration must be up to 5 points				
	ORP specifications				
	ORP range must at least be $\pm 1999.9$ mV				
	Resolution must be up to 0.1 mV				
	Accuracy must be up to 0.2 mV				
	Conductivity or EC Specifications				



	0.000 $\mu$ S/cm to 1.999 S/cm				
	Cell constant, k must be either 0.1, 1.0, and 10.0				
	Resolution must be at least 0.5% of full scale				
	Accuracy must be at least $\pm 0.5\%$ of full scale				
	Calibration must be settable to manual or automatic.				
	Calibration must be up to 4 points				
	Salinity Specifications				
	Range must be at least 0.00 to 80.00 ppt				
	Resolution must be up to 0.01 ppt				
	Temperature Specifications				
	Range must be at least -30.0 ° C to 130.0 ° C				
	Resolution must be up to 0.1 ° C				
<b>27</b>	<b>Benedict's Solution 1000mL</b>	<b>btl</b>	<b>3</b>	<b>2,000.00</b>	<b>6,000.00</b>
	Technical Reagent Grade 1000mL per bottle;				
<b>28</b>	<b>Benzene, 2.5 L</b>	<b>btl</b>	<b>3</b>	<b>7,520.00</b>	<b>22,560.00</b>
<b>29</b>	<b>Benzoic Acid</b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Benzoic Acid Tablet Pack size: 500g				
<b>30</b>	<b>Buffer Solution pH 10, 500 mL</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>31</b>	<b>Cadmium AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications				
	Appearance (Clarity)				
	Clear				
	Appearance (Colour)				
	Colourless				
	Appearance (Form)				
	Liquid				
	Concentration (Cd)				
	1000 $\pm$ 50 mg/Ltr				
	General Information				
	Storage				
	Room Temperature				
	Shelf Life				
	36 Months				
	IMDG Identification				
	UN No.:3264 , IMCO Class No.:8 , Packing Group:III				
	PACK SIZE: 250mL / bottle				
<b>32</b>	<b>Calcium AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications				
	Appearance (Clarity)	Clear			
	Appearance (Colour)	Colourless			
	Appearance (Form)	Liquid			
	Concentration (Ca)	1000 $\pm$ 50 mg/Ltr			
	General Information				
	Storage	Room Temperature			
	Shelf Life	36 Months			
	Pack Size	250ml			
<b>33</b>	<b>Calcium Carbide</b>	<b>kg</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>



	<i>Calcium carbide (pieces, thickness &lt;10 mm , typically, technical grade, ~80%)</i>				
<b>34</b>	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>	<b>btl</b>	<b>3</b>	<b>2,600.00</b>	<b>7,800.00</b>
	<i>dihydrate</i>				
	<i>1.5-2.5mm</i>				
	<i>Molecular Weight: 246.47</i>				
	<i>500grams</i>				
<b>35</b>	<b>Calcium chloride, anhydrous, powder, ≥97%, 100g</b>	<b>btl</b>	<b>1</b>	<b>7,658.00</b>	<b>7,658.00</b>
<b>36</b>	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>	<b>kg</b>	<b>1</b>	<b>6,000.00</b>	<b>6,000.00</b>
	<i>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</i>				
<b>37</b>	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>	<b>btl</b>	<b>2</b>	<b>3,100.00</b>	<b>6,200.00</b>
<b>38</b>	<b>Carbon Tetrachloride</b>	<b>btl</b>	<b>2</b>	<b>5,500.00</b>	<b>11,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>39</b>	<b>Case Cover GARMIN Oregon 650T</b>	<b>pc</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	<i>Case Cover GARMIN Oregon650T Front Frame With Button Handheld</i>				
<b>40</b>	<b>Casein</b>	<b>pack</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	<i>Food grade casein</i>				
	<i>1kg/pack</i>				
<b>41</b>	<b>Centrifuge tube, 50 ml, sterile</b>	<b>pack</b>	<b>1</b>	<b>1,250.00</b>	<b>1,250.00</b>
	<i>polypropylene, free standing, flat screw cap, 25 pcs/pack</i>				
<b>42</b>	<b>Centrifuge tubes, 15 ml, sterile</b>	<b>pack</b>	<b>1</b>	<b>1,250.00</b>	<b>1,250.00</b>
	<i>polypropylene, flat screw cap, 25 pcs/pack</i>				
<b>43</b>	<b>Chloroform 2.5L</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>44</b>	<b>Chromium AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity) Clear</i>				
	<i>Appearance (Colour) Blue</i>				
	<i>Appearance (Form) Liquid</i>				
	<i>Concentration (Cr) 1000 ± 50 mg/Ltr</i>				
	<i>General Information</i>				
	<i>Storage Room Temperature</i>				
	<i>Shelf Life 36 Months</i>				
	<i>Pack size 250mL</i>				
<b>45</b>	<b>Cobalt AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity) Clear</i>				
	<i>Appearance (Colour) Light pink</i>				
	<i>Appearance (Form) Liquid</i>				
	<i>Concentration (Co) 1000 ± 50 mg/Ltr</i>				
	<i>General Information</i>				
	<i>Storage Room Temperature</i>				



	Shelf Life	36 Months				
	Pack Size	250mL				
46	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>		btl	1	15,000.00	15,000.00
47	<b>Condom or Rubber Sheath</b>		pc	10	110.00	1,100.00
	<i>material: Latex rubber</i>					
48	<b>Copper AAS Standard Solution</b>		btl	1	4,000.00	4,000.00
	<i>Specifications</i>					
	<i>Appearance (Clarity)</i>	Clear				
	<i>Appearance (Colour)</i>	Blue				
	<i>Appearance (Form)</i>	Liquid				
	<i>Concentration (Cu)</i>	1000 ± 50 mg/Ltr				
	<i>General Information</i>					
	<i>Storage</i>	Room Temperature				
	<i>Shelf Life</i>	36 Months				
	<i>Pack Size</i>	250mL				
49	<b>Copper Acetate, Monohydrate</b>		btl	1	850.00	850.00
	<i>AR, 500 grams</i>					
50	<b>Cyclohexene</b>		btl	1	3,500.00	3,500.00
	<i>Analytical Reagent Grade 2.5L per bottle</i>					
51	<b>Cysteine</b>		btl	1	5,000.00	5,000.00
	<i>analytical reagent grade 25g per bottle</i>					
52	<b>D-(+)-Glucose</b>		btl	1	11,750.00	11,750.00
	<i>D-(+)-Glucose- Dextrose</i>					
	<i>≥99.5% (GC)</i>					
	<i>application(s): cell culture   embryo: suitable</i>					
	<i>powder form</i>					
	<i>G6152-1KG</i>					
53	<b>D-(+)-Maltose monohydrate, AR</b>		btl	1	6,500.00	6,500.00
	<i>Analytical Standard</i>					
	<i>HPLC suitable</i>					
	<i>Size: 500 mg per bottle</i>					
54	<b>Dehumidifier for Extra Large Rooms and Basements</b>		pc	1	19,300.00	19,300.00
	<i>Includes: Washable Filter, Built-in Handles and Wheels, Drain Hose Outlet</i>					
	<i>Weight: at most 40 lbs</i>					
	<i>Rated Current: 4.7 Amps</i>					
	<i>Moisture Removal: 70 pints per day</i>					
	<i>Air CFM Range (cubic feet per minute): 165 (Normal) to 188 (Turbo)</i>					
	<i>Removable Water Tank Capacity: at least 1.6 gallons / 6 liters</i>					
	<i>Certifications: UL &amp; Energy Star rated</i>					
	<i>Features: Touch Control Panel; Auto Restart, Shut Off, Defrost; Turbo Mode; Continuous Dehumidifying; 24-hour Timer; Custom Humidity Level from 35% to 85%</i>					
	<i>Spaces between 2500 and 4000 square feet, with room</i>					



	<i>temp from 41°F to 95°F</i>				
	<i>Power: 220/240V</i>				
<b>55</b>	<b>Deionized water (food grade)</b>	<b>gal</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
<b>56</b>	<b>Delicate Task Wiper</b>	<b>pack</b>	<b>4</b>	<b>200.00</b>	<b>800.00</b>
	<i>4.4 x 8.4 inches</i>				
	<i>Low lint and low extractable</i>				
	<i>Absorbs 18 percent more water than other private label wipers</i>				
	<i>Absorbs water 24 percent faster than other private label wipers</i>				
	<i>One at a time dispensing</i>				
	<i>Won't scratch delicate surfaces when wet</i>				
<b>57</b>	<b>Dessicator, Glass</b>	<b>pc</b>	<b>2</b>	<b>14,000.00</b>	<b>28,000.00</b>
	<i>☑ Dessicator, Glass, 300mm (12")</i>				
<b>58</b>	<b>Dichloromethane</b>	<b>btl</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	<i>Analytical reagent grade, 2.5L/bottle</i>				
<b>59</b>	<b>Digital Grain Moisture meter</b>	<b>pc</b>	<b>1</b>	<b>14,000.00</b>	<b>14,000.00</b>
	<i>Application: Paddy Brown Rice, Polished Rice, Barley, Wheat, Naked Barley</i>				
	<i>Measuring Range: Paddy, Baron Rice, Polished Rice: 10-40%</i>				
	<i>Barley Wheat, Naked Barley: 10-35%</i>				
	<i>Accuracy: +-0.5% (10%-20%)</i>				
	<i>Temperature range of Material: 0 to 40 degree Celsius</i>				
	<i>Display Method: Digital Display by L.C.D</i>				
	<i>TEMPERATURE Compensation: Automatic Compensation</i>				
	<i>Exchange method: Direct indication of exchange figure automatically</i>				
	<i>Power Source: Dry Battery 1.5 V(R6) X4pcs.</i>				
	<i>Dimensions (main body): W175XH72XD100(mm)</i>				
	<i>Weight: 480g</i>				
	<i>Accessories: Sample saucerx2 , Hullerx1, Brushx1, Pincettex1, Spoonx1, Casex1, Manualx1</i>				
<b>60</b>	<b>Digital Weighing Scale</b>	<b>pc</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	<i>Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display</i>				
	<i>-Water resistant</i>				
	<i>-FREE adaptor included!High precision strain gauge technology</i>				
	<i>Rapid price amount computing</i>				
	<i>Red LED display</i>				
	<i>Tare / Zero / Add-up / Total display / Clear total</i>				



	Dual-display: weight, unit price, amount				
	Framework structure with pressure-limit protection				
	Overload and low voltage indication				
	AC/DC charging with built-in rechargeable battery				
	Automatic energy saving mode				
	Five different unit price memories				
	Automatic temperature compensation Available in 10, 15 and 30kgs				
	Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display				
	-Water resistant				
	-FREE adaptor included!High precision strain gauge technology				
	Rapid price amount computing				
	Red LED display				
	Tare / Zero / Add-up / Total display / Clear total				
	Dual-display: weight, unit price, amount				
	Framework structure with pressure-limit protection				
	Overload and low voltage indication				
	AC/DC charging with built-in rechargeable battery				
	Automatic energy saving mode				
	Five different unit price memories				
	Automatic temperature compensation				
<b>61</b>	<b>Dissolved Oxygen Meter</b>	<b>pc</b>	<b>1</b>	<b>11,000.00</b>	<b>11,000.00</b>
	☐Pen-type, portable, easy to carry and durable				
	☐LCD display for simultaneous display of dissolved oxygen and temperature.				
	☐Highly sensitive probe for fast response and accurate measurement				
	☐Unit switching function, Celsius and Fahrenheit				
	☐Removable probe design, easy to change measurement, equipped with three spare probe covers for intimate protection.				
	☐The pen body design is compact, lightweight, easy to carry and easy to measure.				
	☐Measurement Range: 0.00-20.00mg/L				
	☐Basic Measurement Error: 0.4 mg/L				
	☐Dissolved Oxygen Temperature Compensation: 0-40 degrees Celsius				
	☐Power Supply: 4 LR44 1.5V button batteries				
	☐Color: Blue And Gray				
	☐Dissolved Oxygen Meter:140x40x40mm/5.5x1.6x1.6in				
	☐Pen:160x13x13mm/6.3x0.5x0.5in				
	☐Lead Length:2930mm/115.4in				



	☐Probe Length:3090mm/121.7in				
	☐Full Length:3230mm/127.2in				
	☐Weight:223g/7.87oz				
	☐Package Included:				
	◀1 x Host				
	◀3 x Probe Covers				
	◀1 x USB Data Cable				
	◀1 x Portable Cloth Bag				
	◀1 x Color Box				
	◀1 x Factory Certificate				
	◀1 x Instruction Manual				
	◀1 x Dissolved Oxygen Filling Solution				
	◀10 x Reagent A				
	◀10 x Reagent B				
62	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>	btl	2	3,000.00	6,000.00
63	<b>EMS Ethyl Methanesulfonate (C3H8O3S) (25grams)</b>	btl	1	12,000.00	12,000.00
	<i>Molecular weight - 124.2</i>				
	<i>Molarity - 9.7 (neat liquid)</i>				
	<i>Density - 1.202 g/ml (20 °C)</i>				
	<i>99% purity</i>				
64	<b>Ethanol</b>	btl	3	4,000.00	12,000.00
	<i>AR grade, 2.5L, at least 95% v/v</i>				
65	<b>Ethanol Absolute</b>	btl	1	2,500.00	2,500.00
	<i>2.5 Liters/ bottle;</i>				
66	<b>Ethanol, absolute, molbio grade, 99.9% 2.5L</b>	btl	1	5,000.00	5,000.00
67	<b>Ethanol/Ethyl Alcohol, 70%, Laboratory Grade, 3.8 L</b>	gal	1	2,000.00	2,000.00
	<i>Ethanol, 70%, Laboratory Grade, 3.8 L</i>				
	<i>Synonym: Ethyl alcohol</i>				
	<i>Formula: CH3CH2OH</i>				
	<i>Formula Wt: 46.07</i>				
	<i>CAS: 64-17-5</i>				
	<i>Notes: Completely denatured; green chemistry substitute for methanol</i>				
68	<b>Ethyl Alcohol (95%)</b>	canister	3	4,000.00	12,000.00
	☐Container size: Plastic waterjug (20L)				
69	<b>Ethyl Alcohol, Pure 95%, atleast 20L/carboy</b>	carboy	1	15,300.00	15,300.00
70	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	box	11	2,220.00	24,420.00
	☐Pore size:2.5um				
	☐at least 100 pcs. per box				
71	<b>Flowatch meter</b>	set	1	40,000.00	40,000.00
	<i>Accuracy: ±2% fluid speed; ±3% air velocity; Temperature, ±1°F (±0.2°C). Range: Fluid Speed, 0.2 to 40 mph (0.1 to 18 M/Sec) depending on impeller; Temperature, -58°F to 212°F (-50°C to 100°C). Resolution: 0.3 km/h; 0.2 mph; 0.2 knots; 0.1 M/Sec. Temperature Modes: Minimum, maximum, current temperature, wind chill factor. Operating Modes: Current,</i>				





	<i>maximum and average fluid speed. Power: 2 AA Batteries (included). Dimensions: Display, 5.25" x 2.25" x 2.5"; Case, 25" x 13" x 3</i>				
<b>72</b>	<b>Fructose</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	<i>Analytical Reagent Grade, 500g per bottle;</i>				
<b>73</b>	<b>Garmin Oregon 650t 3-Inch Handheld GPS</b>	<b>unit</b>	<b>1</b>	<b>32,000.00</b>	<b>32,000.00</b>
	<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Digital Camera</i>				
	<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Features</i>				
	<i>3-Inch sunlight-readable, touchscreen display with multi-touch capability</i>				
	<i>Dual-band GPS/GLONASS satellite positioning</i>				
	<i>Sensors (3-axis compass, accelerometer, barometric altimeter)</i>				
	<i>ANT or Bluetooth technology -wirelessly share routes, tracks, waypoints, geocaches, custom maps and photos between units Dual orientation - auto switching between landscape or portrait views</i>				
	<i>Dual battery system -2 AA batteries or NiMH battery pack charged by the Oregon (battery pack included with 650/650t; optional with 600/600t) 8MP autofocus camera (650, 650t only) with LED flash/torch and digital zoom</i>				
	<i>About Garmin Oregon 650t 3-Inch Handheld GPS With 8MP</i>				
	<i>From the moment you cradle the 650t in your hand, you're ready to enter into a bold new world of Garmin GPS mapping and positioning. With high-sensitivity GPS and GLONASS satellite tracking (more satellites mean faster fixes, even in challenging environments), preloaded TOPO U.S. 100K maps, worldwide basemap with shaded relief and a faster processor, you don't just look at maps, you interact with them. Zoom in, pan out and rotate using multi-touch. The touchscreen even is compatible with many gloves. The reflective display technology boosts touchscreen brightness so much that maps and displays are as vivid in full bright sunlight as they are in shade. And, mark memories with an 8 megapixel autofocus camera with digital zoom and automatic flash/torch, plus customizable buttons for 1-touch image capture and waypoint marking. Quality Photos Now you don't have to take an additional camera with you to take quality photos. Oregon 650t's built in 8 megapixel autofocus digit</i>				
<b>74</b>	<b>GelRed Nucleic Acid Gel Stain</b>	<b>tube</b>	<b>1</b>	<b>8,000.00</b>	<b>8,000.00</b>
	<i>Volume: 5 ml/tube</i>				
	<i>Catalog No.: 41003 or 41003-1</i>				
	<i>Assay type: DNA/RNA gel staining</i>				
	<i>1. GelRed is a fluorescent nucleic acid stain designed to</i>				



	replace the highly toxic ethidium bromide (EtBr) for staining dsDNA, ssDNA or RNA in agarose gels or polyacrylamide gels.				
	2. It is also compatible with downstream DNA manipulations such as restriction digest, sequencing, and cloning.				
	3. Easy disposal: Passed environmental safety tests for direct disposal down the drain or in regular trash				
	4. Ultra-sensitive: Much more sensitive than EtBr and SYBR® Safe				
	5. Extremely stable: Available in water, stable at room temperature for long-term storage and microwavable				
	6. Simple to use: Very simple procedures for precast or post-electrophoresis gel staining				
	7. Compatible with a standard UV transilluminator : Replaces EtBr with no optical setting change				
	8. Compatible with downstream applications : Compatible with gel purification, restriction digest, sequencing and cloning.				
	9. Each tube contains 0.5ml.				
<b>75</b>	<b>Geology Folding hand lens magnifier</b>	<b>pc</b>	<b>25</b>	<b>600.00</b>	<b>15,000.00</b>
	Magnification: 30x-21mm magnifier				
	Material: Stainless steel handle				
	Foldable				
	Good quality				
<b>76</b>	<b>Glacial Acetic Acid, Analytical Standard</b>	<b>btl</b>	<b>5</b>	<b>2,000.00</b>	<b>10,000.00</b>
	Certified analytical standard				
	HPLC and GC suitable				
	Size: 2.5L per bottle				
<b>77</b>	<b>Gloves, Nitrile, Large</b>	<b>box</b>	<b>2</b>	<b>1,500.00</b>	<b>3,000.00</b>
	☑Glove Type: Chemical Resistant Disposable Gloves				
	☑Glove Material: Nitrile				
	☑Powder-Free				
	☑1 box of 100 or 50 pairs				
	☑Food Safe				
	☑Size: large				
<b>78</b>	<b>Glycine</b>	<b>btl</b>	<b>1</b>	<b>8,000.00</b>	<b>8,000.00</b>
	☑Molecular biology, ≥99.0% assay quality				
	☑Suitable for protein analysis, SDS-PAGE and Western blot				
	☑DNases and Rnases free				
	☑Phosphatases and proteases free				
	☑Crystalline form				
	☑Bottle of at least 500g				
<b>79</b>	<b>good quality Scalpel Handle #3</b>	<b>pc</b>	<b>4</b>	<b>500.00</b>	<b>2,000.00</b>
	stainless steel scalpel handle is used with scalpel blade # 11				
	It has a curved cutting edge and a flat, notched back for a				



	<i>more secure hold</i>				
	<i>It is used for plant tissue culture</i>				
	<i>Good quality</i>				
<b>80</b>	<b>GPS Garmin eTrex 10</b>	<b>pc</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>Release Date in Philippines</i> <i>Model eTrex 10</i> <i>Date Oct 2011</i> <i>Display</i> <i>Display diagonal 5.59 cm (2.2")</i> <i>Touchscreen No</i> <i>Widescreen No</i> <i>Display resolution 128 x 160 pixels</i> <i>Display size (HxV) (imperial) 43.2 x 35.6 mm (1.7 x 1.4")</i> <i>Weight &amp; dimensions</i> <i>Weight 141.7 g</i> <i>Width 54 mm</i> <i>Depth 33 mm</i> <i>Height 103 mm</i> <i>Power</i> <i>Battery technology Nickel-Metal Hydride (NiMH)</i> <i>Battery type AA</i> <i>Battery life (max) 25 h</i> <i>Number of batteries supported 2</i> <i>Network</i> <i>Bluetooth No</i> <i>Navigation</i> <i>Traffic Message Channel (TMC) No</i> <i>Live service No</i> <i>Waypoints Yes</i> <i>Number of waypoints 1000</i> <i>Routes quantity 50</i> <i>Barometric altimeter No</i> <i>Tracks quantity 100</i> <i>Tracklog Yes</i> <i>Electronic compass No</i> <i>Photo navigation No</i> <i>Area calculation Yes</i> <i>Automatic routing No</i> <i>GPS type</i> <i>Marine (chartplotters, sounders) No</i> <i>Sport (fitness, running) No</i> <i>Outdoor (hiking, trekking) Yes</i> <i>Geocaching (GPS stash hunt) Yes</i> <i>Auto No</i> <i>Aviation No</i> <i>Design</i> <i>Form factor Handheld</i> <i>Water-resistant Yes</i> <i>Performance</i>				



	Built-in camera No Image viewer No Unit-to-unit transfer No Sun & moon information Yes Hunt/fish calendar Yes Tide tables Yes				
81	<b>Hexane 2.5L</b>	btl	2	2,500.00	5,000.00
	Analytical Reagent Grade 2.5L per bottle;				
82	<b>High Precision Stainless Steel Digital Vernier Caliper</b>	pc	4	4,000.00	16,000.00
	6 inches; 0.01-0.025 mm accuracy;				
83	<b>Histidine</b>	btl	1	2,000.00	2,000.00
	Analytical Reagent Grade 25g per bottle;				
84	<b>Holder scalpel # 4</b>	pc	4	500.00	2,000.00
	stainless steel scalpel handle is used with scalpel blade # 22				
	It has a curved cutting edge and a flat, notched back for a more secure hold				
	It is used for plant tissue culture				
	Good quality				
85	<b>Hydrochloric acid, HCl</b>	btl	5	1,000.00	5,000.00
	Analytical reagent grade, concentrated, 2.5L/bottle;				
86	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>	btl	1	3,500.00	3,500.00
87	<b>Inspection Dissecting Trinocular Zoom Stereo Microscope</b>	unit	2	20,000.00	40,000.00
	Microscope + 144-LED Light				
	7X-45X Super widefield zoom magnification power with crystal clear images				
	1-1/4" (33mm) super widefield view and 4" (100mm) working distance				
	144-LED ring light with a compact design and dimmer				
	Sturdy all-metal pillar stand				
	The trinocular port uses the third port for the camera capabilities, giving you the remaining two ports to view your specimen				
	This is a trinocular stereo microscope with a 144-LED compact ring light with a built-in dimmer. The microscope has a super widefield optical system that provides a large zoom magnification power (6.5:1) and a large working distance (4", 100mm). The trinocular port uses the third port for camera capabilities, or a third party to view as well, giving you the remaining two ports to view your specimen. The 144-LED ring light has a compact design with a built-in dimmer, providing cool, even and bright LED illumination. This microscopy system is an ideal instrument for manufacturing engineers, lab technicians, gemologists, circuit board inspectors, and anyone in electronic and semiconductor industries. It is also the right microscope for biological laboratory applications that				



	<i>require low heat release.</i>				
	<i>Features:</i>				
	<i>A perfect stereo inspection microscope with a 144-LED compact ring light and built-in dimmer</i>				
	<i>Variable, cool, even and bright 144-LED ring illumination</i>				
	<i>7X-45X super wide zoom magnification power</i>				
	<i>4" (100mm) extremely large working distance</i>				
	<i>High resolution with great flatness and contrast, giving sharp and clear images</i>				
	<i>Trinocular head with 45-degree inclined 360-degree swiveling eye tubes</i>				
	<i>The trinocular port enables the easy use of camera capabilities</i>				
	<i>30mm super widefield high-eyepoint eyepieces with 20 mm field of view</i>				
	<i>Sharp stereo erect images with a wide field of view</i>				
	<i>Crystal clear, original true color microscope images</i>				
	<i>Dual eye tubes with adjustable diopters</i>				
	<i>Sturdy all-metal table stand</i>				
	<i>Accurate alignment reduces eye strain for longer periods of viewing</i>				
	<i>Full optical glass elements</i>				
	<i>Precise ground glass lenses</i>				
	<i>Full metal chrome-plated mechanical components</i>				
	<i>Adjustable interpupillary distance</i>				
	<i>Rubber eyeguards included</i>				
	<i>Manufactured under ISO 9001 quality control standard</i>				
	<i>Five (5) year manufacturer warranty for microscope</i>				
	<i>Specifications:</i>				
	<i>Head: 360 degree rotatable 45 degree inclined trinocular</i>				
	<i>Eyepiece: 30mm super widefield high-eyepoint WH10X/20MM</i>				
	<i>Zoom Range: 0.7X-4.5X</i>				
	<i>Diopter Adjustment: +/- 5dp</i>				
	<i>Interpupillary Distance: 2-3/16" - 2-15/16"(55-75mm)</i>				
	<i>Working Distance: 4" (100mm)</i>				
	<i>Widefield View: 1-1/4" (33mm) super widefield</i>				
	<i>Illumination: 144-LED compact ring light</i>				
	<i>Power Input: 110-240V, 50-60HZ, automatic switching</i>				
	<i>Stand: 10" x 7-7/8" x 10.75" (254 x 200 x 275mm)</i>				
	<i>Round Plate: 3-3/4" (95mm) in diameter</i>				
	<i>Accessories: a pair of eye-guards</i>				
	<i>Packing List:</i>				
	<i>One Trinocular Stereo Zoom Head</i>				
	<i>One Pair of Super Widefield 10X Eyepieces</i>				
	<i>One 144-LED Compact Ring Light</i>				
	<i>One Pillar Table Stand</i>				
	<i>One Focusing Rack</i>				



	One Round Plastic Plate				
	One Pair of Eye-Guards				
	One Pair of Clips				
	One Dust Cover				
	User's Manual Download				
<b>88</b>	<b>Iodine crystals</b>	<b>btl</b>	<b>4</b>	<b>2,500.00</b>	<b>10,000.00</b>
	Analytical Grade resublimed, 500g per bottle;				
<b>89</b>	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>90</b>	<b>Iron AAS Standard Solution in 0.5N HNO<sub>3</sub></b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Colourless				
	Appearance (Form) Liquid				
	Concentration (Fe) 1000 ± 50 mg/Ltr				
	General Information				
	Storage Room Temperature				
	Shelf Life 36 Months				
	Pack Size 250ml				
<b>91</b>	<b>Isopropanol</b>	<b>btl</b>	<b>1</b>	<b>8,000.00</b>	<b>8,000.00</b>
	Molecular grade/DNA Extraction				
	In 2.5 L Amber bottle				
<b>92</b>	<b>Laboratory Weighing Boats</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	☐Plastic, 100 mL				
	☐at least 100 pcs. pack				
<b>93</b>	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	☐Suitable for manual, ultrasonic, and machine washing				
	☐Completely biodegradable				
	☐Free of phosphate, chlorine, enzyme, and EDTA				
	☐Contains anionic and cationic surfactants				
	☐5 liters per bottle				
<b>94</b>	<b>Lactose</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	AR. 500 grams;				
<b>95</b>	<b>L-Alanine</b>	<b>btl</b>	<b>1</b>	<b>4,800.00</b>	<b>4,800.00</b>
	Specification				
	Packaging: 25 grams/ bottle				
	Melting point: 314.5 °C				
	alpha 14.5 ° (c=10,6N HCl,dry sub.)				
	Boiling point: 212.9±23.0 °C(Predicted)				
	Density 1,432 g/cm <sup>3</sup>				
	refractive index 1.4650 (estimate)				
	FEMA 3818   DL-ALANINE				
	storage temp. 2-8°C				
	solubility H <sub>2</sub> O: 100 mg/mL				
	form powder				
	pka 2.34(at 25°C)				
	color White to almost white				



	PH	5.5-6.5 (100g/l, H <sub>2</sub> O, 20 °C)				
	Odor	odorless				
	Odor Type	odorless				
	optical activity	[α] <sub>20/D</sub> +14.0±1°, c = 5% in 5 M HCl				
	Water Solubility	166.5 g/L (25 °C)				
	λ <sub>max</sub>	λ: 260 nm A <sub>max</sub> : ≤0.03				
		λ: 280 nm A <sub>max</sub> : ≤0.02				
	Stability:	Stable. Incompatible with strong oxidizing agents.				
	PAckaging :	25grams/ bottle				
<b>96</b>	<b>Lead AAS Standard Solution</b>		<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications					
	Appearance (Clarity)	Clear				
	Appearance (Colour)	Colourless				
	Appearance (Form)	Liquid				
	Concentration (Pb)	1000 ± 50 mg/Ltr				
	General Information					
	Storage	Room Temperature				
	Shelf Life	36 Months				
	Pack Size	250mL				
<b>97</b>	<b>Lead Acetate</b>		<b>btl</b>	<b>1</b>	<b>16,000.00</b>	<b>16,000.00</b>
	Specifications:					
	Melting point:	75 °C (dec.)(lit.)				
	Boiling point:	decomposes at >280 °C [KIR78]				
	Density	3.3 g/cm <sup>3</sup>				
	vapor pressure	15.7hPa at 25 °C				
	storage temp.	2-8 °C				
	solubility (Slightly)	DMSO (Slightly), Methanol (Slightly)				
	form	powder				
	color	Clear colorless				
	Water Solubility	g/100g H <sub>2</sub> O: 19.7 (0 °C), 55.2 (25 °C); equilibrium solid phase, Pb(CH <sub>3</sub> COO) <sub>2</sub> · 3H <sub>2</sub> O [KRU93]; g/100mL H <sub>2</sub> O: 44.3 (20 °C), 221 (50 °C) [KIR78]				
	λ <sub>max</sub>	260nm(H <sub>2</sub> O)(lit.)				
	Solubility Product Constant (K <sub>sp</sub> )	pK <sub>sp</sub> : 2.75				
	Packaging:	5g/1 bottle				
<b>98</b>	<b>Linoleic Acid</b>		<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	Specification					
	Packaging:	5mL/ bottle				
	Grade:	analytical grade				
	Melting point:	-5 °C (lit.)				
	Boiling point:	229-230 °C/16 mmHg (lit.)				
	Density	0.902 g/mL at 25 °C (lit.)				
	refractive index	n <sub>20/D</sub> 1.466(lit.)				
	FEMA	3380   9,12-				



	OCTADECADIENOIC ACID (48%) AND 9,12,15-OCTADECATRIENOIC ACID (52%)				
	Flash point: >230 °F				
	storage temp. Store below +30°C.				
	solubility NaOH: soluble1M				
	pka 4.77(at 25°C)				
	form liquid				
	color Clear yellow				
	Odor faint fatty				
	Water Solubility INSOLUBLE				
	FreezingPoint -5°C				
	Sensitive Air Sensitive				
	$\lambda_{max}$ 270nm(H <sub>2</sub> O)(lit.)				
	Dielectric constant 2.6 (0°C)				
	Stability: Stable, but air and light sensitive. Combustible. Incompatible with strong oxidizing agents.				
	Analytical Standard				
<b>99</b>	<b>Litmus Paper (Blue)</b>	<b>Vial</b>	<b>2</b>	<b>600.00</b>	<b>1,200.00</b>
	Blue Litmus Test Paper				
	Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH <7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower.				
	Strip Quantity: 100 strips				
	Other: Additional sheet sizes available upon request				
	Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]				
	Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]				
	Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)				
	Weight: 0.02 lbs [9 g] (single vial)				
	Other: Stored in a pocket-sized, lightweight vial.				
	Shelf-Life: 3 Years Minimum				
<b>100</b>	<b>Loading Dye for Electrophoresis</b>	<b>Vial</b>	<b>1</b>	<b>3,100.00</b>	<b>3,100.00</b>
	Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL				
<b>101</b>	<b>Magnesium chloride, MgCl<sub>2</sub></b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>





	☐1kg per bottle				
	☐colorless crystalline solid				
	☐Properties:				
	◀Quality Level: 300				
	◀Grade: anhydrous				
	◀Assay: ≥98%				
	◀Form: powder				
	◀Impurities: ≤0.5% Insolubles				
	◀bp: 1412 °C/1 atm (lit.)				
	◀mp: 714 °C (lit.)				
	◀Density: 2.32 g/mL at 25 °C (lit.)				
<b>102</b>	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	☐1kg per bottle				
	☐colorless crystalline solid				
	☐Properties:				
	◀Quality Level: 300				
	◀Grade: anhydrous				
	◀Assay: ≥98%				
	◀Form: powder				
	◀Impurities: ≤0.5% Insolubles				
	◀bp: 1412 °C/1 atm (lit.)				
	◀mp: 714 °C (lit.)				
	◀Density: 2.32 g/mL at 25 °C (lit.)				
<b>103</b>	<b>Manganese AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Specifications				
	Appearance (Clarity) <i>Clear</i>				
	Appearance (Colour) <i>Colourless</i>				
	Appearance (Form) <i>Liquid</i>				
	Concentration (Mn) <i>1000 ± 50 mg/Ltr</i>				
	General Information				
	Storage				
	Room Temperature				
	Shelf Life				
	36 Months				
	Pack Size: <i>250ml</i>				
<b>104</b>	<b>Masking tape, autoclavable, for laboratory use</b>	<b>roll</b>	<b>15</b>	<b>450.00</b>	<b>6,750.00</b>
	<i>1" wide x 55m length;</i>				
<b>105</b>	<b>Microcapillary tube</b>	<b>btl</b>	<b>3</b>	<b>240.00</b>	<b>720.00</b>
	<i>diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes</i>				
<b>106</b>	<b>Microscope Slide Box</b>	<b>pc</b>	<b>5</b>	<b>300.00</b>	<b>1,500.00</b>
	<i>capacity: holds up to 25 microscope slides</i>				
	<i>dimension:9.4cm*8.2cm*3.2cm</i>				
	<i>weight:56g</i>				
	<i>material: plastic</i>				



	<i>color: white</i>				
<b>107</b>	<b>Mini Light Meter</b>	<b>pc</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	200,000 LUX Digital Luxmeter Luminance Lux Fc Test				
	Max-Min Illuminometers				
	Illuminance Measurement: 0 to 199,900				
	Lux 0 to 18,500 Fc				
	Battery: 3x 1.5V (AAA)				
	Power: 0.45W				
	Handheld				
	Data Hold				
	LCD Backlight				
	Auto power off				
	Overload and low battery indicator				
<b>108</b>	<b>Mortar and Pestle, Heavy Duty</b>	<b>unit</b>	<b>1</b>	<b>850.00</b>	<b>850.00</b>
	☐Mortars with spout				
	☐Material: Porcelain for both mortar and pestle				
	☐Inside grinding surface unglazed				
	☐Capacity: 145 mL, 90 x 70 mm				
	☐Heat and cold resistant				
<b>109</b>	<b>Munsell Soil Color Charts</b>	<b>pc</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
<b>110</b>	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
<b>111</b>	<b>Nickel AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Light blue				
	Appearance (Form) Liquid				
	Concentration (Ni) 1000 ± 50 mg/Ltr				
	General Information				
	Storage Room Temperature				
	Shelf Life 36 Months				
	Pack Size 250mL				
<b>112</b>	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g</b>	<b>btl</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	☐CAS 485-47-2				
	☐White solid				
	☐50g				
	☐Analytical Grade				
<b>113</b>	<b>Oleic Acid</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Packing: 25mL/ 1 bottle				
	Grade: Analytical Grade				
	Melting point :13-14 °C(lit.)				
	Boiling point :360 °C				
	Density :0.89 g/mL at 25 °C(lit.)				
	vapor density :1.03 (vs air)				
	vapor pressure :52 mm Hg ( 37 °C)				
	refractive index :n20/D 1.377				
	FEMA :2815   OLEIC ACID				



	Flash point :133 °F				
	storage temp. :-20°C				
	solubility :Miscible with ethanol, ether, acetone, chloroform, dimethyl formamide and dimethyl sulfoxide.				
	form :Liquid				
	pka :pKa 5.35(H <sub>2</sub> O,t=25) (Uncertain)				
	Specific Gravity :0.892 (20/4 °C)				
	color :Colorless to pale yellow				
	Odor :Peculiar Lard-Like				
	Odor Type :fatty				
	Water Solubility :negligible				
	Sensitive :Air Sensitive				
	Hydrophilic-Lipophilic Balance (HLB) :1				
	Dielectric constant :2.5 (20 °C)				
	Stability :Stable. Combustible. Incompatible with strong oxidizing agents, aluminium.				
	Technical grade, 90%				
<b>114</b>	<b>Pasteur pipette</b>	<b>pc</b>	<b>50</b>	<b>20.00</b>	<b>1,000.00</b>
	Specifications				
	230mm Overall Length, 108mm Tip Length, 120 mm Body Length,				
	Type 1 Clear Glass				
	Non-sterile				
	Max dispensing volume : 2mL				
	No graduations				
<b>115</b>	<b>Petroleum Ether, AR</b>	<b>gal</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>116</b>	<b>pH Meter pen type</b>	<b>pc</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	▣0.1 pH resolution				
	▣water-resistant/proof				
<b>117</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>	<b>pack</b>	<b>7</b>	<b>500.00</b>	<b>3,500.00</b>
	General description				
	Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14				
	pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.				
	PROPERTIES				
	Quality Level 100				
	feature non-bleeding: no				
	graduations and accuracy measuring				



	<i>range accuracy: 1 pH unit</i>				
	<i>roll L 4.8 m , with color scale</i>				
	<i>pH range 1-14</i>				
	<i>detection method colorimetric</i>				
	<i>storage temp. 15-25°C</i>				
<b>118</b>	<b>Phloroglucinol, 100g</b>	<b>btl</b>	<b>1</b>	<b>13,265.00</b>	<b>13,265.00</b>
<b>119</b>	<b>Pipette tips, refill, 0.1-10 uL, 1000pcs/pack, short, clear</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
<b>120</b>	<b>Pipette tips, refill, 2.0-200.0 uL, 1000pcs/pack, yellow or clear</b>	<b>pack</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
<b>121</b>	<b>Pipette tips,refill, 100-1000 uL, 1000pcs/pack, blue or clear</b>	<b>pack</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
<b>122</b>	<b>Portable pH Meter</b>	<b>pc</b>	<b>1</b>	<b>24,605.00</b>	<b>24,605.00</b>
	<i>pH Range: -2.00 to 16.00 pH</i>				
	<i>pH Resolution:0.01 pH</i>				
	<i>pH Accuracy: ±0.01 pH</i>				
	<i>pH Calibration: automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)</i>				
	<i>mV Range: ±699.9 mV; ±1999 mV</i>				
	<i>mV Resolution: 0.1 mV; 1 mV</i>				
	<i>mV Accuracy: ±0.2 mV; ±1 mV</i>				
	<i>Temperature Range: -20.0 to 120.0 °C, -4.0 to 248.0 °F</i>				
	<i>Temperature Resolution: 0.1 °C, 0.1 °F</i>				
	<i>Temperature Accuracy: ±0.4°C; ±0.8°F</i>				
	<i>Temperature Compensation: manual or automatic from -20.0 to 120.0°C (-4.0 to 248.0°F)</i>				
	<i>Slope Calibration: from 80 to 108% / ±1 pH</i>				
	<i>pH Electrode: HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable</i>				
	<i>Electrode/Probe: HI7662 stainless steel temperature probe with 1 m (3.3') cable (included)</i>				
	<i>Input Impedance: 10<sup>12</sup> Ohms</i>				
	<i>Battery Type / Life: 1.5V (3) AAA / approximately 200 hours of continuous use</i>				
	<i>Auto-off: after 20 minutes of non-use (can be disabled)</i>				
	<i>Environment: 0 to 50°C (32 to 122°F); RH max 100%</i>				
	<i>Dimensions: 185 x 72 x 36 mm (7.3 x 2.8 x 1.4")</i>				
	<i>Weight: 300 g (10.6 oz.)</i>				
	<i>Ordering Information: Both supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet (20 mL),HI70007 pH 7.01 buffer sachet (20 mL),100 mL plastic beaker, 1.5V AAA batteries (3),instructions, and hard carrying case.</i>				
<b>123</b>	<b>Potassium AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity) Clear</i>				
	<i>Appearance (Colour) Colourless</i>				



	Appearance (Form)	Liquid				
	Concentration (K)	1000 ± 50 mg/Ltr				
	General Information					
	Storage	Room Temperature				
	Shelf Life	36 Months				
	Pack Size	250mL				
124	<b>Potassium antimony tartrate</b>		btl	1	3,800.00	3,800.00
	<i>Analytical reagent grade, 500g/bottle;</i>					
125	<b>Potassium Bromide</b>		btl	2	2,066.00	4,132.00
	<input type="checkbox"/> Anhydrous					
	<input type="checkbox"/> Lab grade/ Analytical reagent grade					
	<input type="checkbox"/> Expiration date(3 years from the delivery date)					
	<input type="checkbox"/> Packed in Teflon bottles					
126	<b>Potassium chloride (KCl) solution, 500g/btl</b>		btl	1	5,090.00	5,090.00
	<input type="checkbox"/> Anhydrous					
	<input type="checkbox"/> Lab grade/ Analytical reagent grade					
	<input type="checkbox"/> Expiration date(3 years from the delivery date)					
	<input type="checkbox"/> Packed in Teflon bottles					
127	<b>Potassium Chloride 500g</b>		btl	1	2,000.00	2,000.00
	<input type="checkbox"/> Chemical must be plant tissue culture tested for at least 20 years					
	<input type="checkbox"/> ISO complaint					
	<input type="checkbox"/> ACS REAG					
	<input type="checkbox"/> PH EUR					
	<input type="checkbox"/> meets USP Standards					
	<input type="checkbox"/> Bioreagent suitable for cell culture					
128	<b>Potassium Chloride, AR, 1000g</b>		btl	2	2,500.00	5,000.00
129	<b>Potassium iodide, KI</b>		btl	2	7,000.00	14,000.00
	<input type="checkbox"/> Analytical reagent grade, powder, 500g/bottle					
130	<b>Potassium Nitrate</b>		kg	3	8,000.00	24,000.00
	<input type="checkbox"/> AR grade					
	<input type="checkbox"/> Formula: KNO <sub>3</sub>					
	<input type="checkbox"/> Molar wt: 101.1032 g/mo					
	<input type="checkbox"/> 1kg/pack					
131	<b>Potassium Phosphate (KH<sub>2</sub>PO<sub>4</sub>) suitable for plant cell and tissue culture</b>		btl	2	2,500.00	5,000.00
	500 grams					
132	<b>Red Litmus Test Paper</b>		Vial	2	600.00	1,200.00
	<i>Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH &gt;7).</i>					
	Strip Quantity: 100 strips					
	Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]					
	Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]					



	Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)				
	Weight: 0.02 lbs [9 g] (single vial)				
	Other: Stored in a pocket-sized, lightweight vial.				
	Shelf-Life: 3 Years Minimum				
<b>133</b>	<b>Relative Humidity meter</b>	<b>set</b>	<b>1</b>	<b>35,000.00</b>	<b>35,000.00</b>
	Product Specifications				
	Weight 100-120 Grams (g)				
	Usage Temperature & Humidity Meter				
	Accuracy : +-2.0%rh				
	Product Type Humidity Meter				
	Display Type Analog And Digital				
	Color Black and Grey				
	Material Stainless Steel				
	Product Description				
	Temperature & Rh Meter				
	TEMPERATURE / HUMIDITY TRANSMITTER				
	ER WITH RS-485 INTERFACE (MODEL HTX-3000)				
	Microcontroller based design.				
	Input for T and %RH from Rotronic make Hygroclip S3				
	Isolated 4-20mA proportional and linearized for both T and RH.				
	MODBUS RTU serial interface.				
	4-20mA retransmission output for both T and RH.				
	Bright red LED display.				
	IP 65 ABS plastic enclosure.				
	Operates on 12 to 36VDC.				
<b>134</b>	<b>RNAse A</b>	<b>vial</b>	<b>1</b>	<b>12,000.00</b>	<b>12,000.00</b>
	certified free of contaminating DNases, RNases, phosphatases, and nickases for improved sample security				
	Catalog No.: PC0713-500mg				
	Pack size: 500 mg/vial				
	Appearance: White lyophilized powder; a chromatographically purified, lyophilized powder				
	Molecular mass: 13.7 kDA (Amino Acid Sequence)				
	Extinction coefficient: E 1% = 7.1% (280 nm)				
	Isoelectric point: pI: 9.6				
	Optimum temperature: 60°C				
	Optimum pH: 7.5				
	Inhibitors: Ribonuclease inhibitor				
	Activity: (Kunitz): ≥ 60 units/mg protein				
<b>135</b>	<b>Scalpel Blade, box of 50's</b>	<b>box</b>	<b>12</b>	<b>280.00</b>	<b>3,360.00</b>
	■ Stainless steel				
	■ 100 blades/box				



<b>136</b>	<b>Silica Gel Desiccant</b>	<b>pack</b>	<b>30</b>	<b>200.00</b>	<b>6,000.00</b>
	<i>* Blue Beads * 500 grams/pack;</i>				
<b>137</b>	<b>Silver Nitrate, AgNO<sub>3</sub></b>	<b>btl</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	<i>Analytical reagent grade, 100g/bottle;</i>				
<b>138</b>	<b>Smart Dissolved Oxygen Meter</b>	<b>set</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	<i>Specifications:</i>				
	<i>O<sub>2</sub> Range 0.0 to 19.9 mg/l</i>				
	<i>O<sub>2</sub> Resolution 0.1 mg/l</i>				
	<i>O<sub>2</sub> Accuracy ±1.5% Full scale</i>				
	<i>Calibration manual on 2 points (zero and slope)</i>				
	<i>Temperature Compensation automatic, from 0 to 30°C</i>				
	<i>Probe MA840 (included)</i>				
	<i>Environment 0 to 50°C/ 32 to 122°F; max RH 95%</i>				
	<i>Battery-operated</i>				
<b>139</b>	<b>Sodium Acetate (NaOAc)</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>500g/bottle</i>				
	<i>Purity % - 99%</i>				
	<i>Grade Standard - Lab Grade</i>				
<b>140</b>	<b>Sodium Bicarbonate</b>	<b>btl</b>	<b>3</b>	<b>1,000.00</b>	<b>3,000.00</b>
	▣ <i>Sodium Bicarbonate Powder</i>				
	◀ <i>USP Pharmaceutical Grade</i>				
	◀ <i>CAS: 13-34799</i>				
	◀ <i>HIGHEST QUALITY</i>				
	◀ <i>Aluminum Free</i>				
	◀ <i>1-kg bottle</i>				
<b>141</b>	<b>Sodium Chloride</b>	<b>btl</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	<i>Analytical Reagent Grade 500g per bottle</i>				
<b>142</b>	<b>Sodium chlorite, technical grade 80%, 100g</b>	<b>btl</b>	<b>1</b>	<b>6,886.00</b>	<b>6,886.00</b>
<b>143</b>	<b>Sodium Hydroxide, AR 500G</b>	<b>btl</b>	<b>7</b>	<b>1,200.00</b>	<b>8,400.00</b>
	▣ <i>500 g/bottle, AR, Pellets;</i>				
<b>144</b>	<b>Sodium Hydroxide, Technical Grade, 1KG, Pellets</b>	<b>btl</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	▣ <i>Technical grade, pellets, 1 kg;</i>				
<b>145</b>	<b>Soil Dispersion Mixer for Hydrometer Analysis</b>	<b>unit</b>	<b>1</b>	<b>49,000.00</b>	<b>49,000.00</b>
	<i>Motor: 1/3hp</i>				
	<i>Revolutions per minute: 13,000, 16,000, 18,000rpm speeds</i>				
	<i>Electrical: 220-240V/50-60Hz, 1.3Amps</i>				
	<i>Product Dimensions: 6.5x6.75x20.5in (165x171x521mm) WxDxH</i>				
	<i>Estimated Shipping Weight: 17.0lb (7.71kg)</i>				
<b>146</b>	<b>Soil DNA extraction kit, 50 preps</b>	<b>kit</b>	<b>1</b>	<b>45,072.00</b>	<b>45,072.00</b>
	<i>isolates total DNA from diverse soil types; silica membrane technology; handling through centrifugation; sample material used: sediment, sludge, soil</i>				
	<i>Item No.: 740780.50</i>				
	• <i>Parameter: NucleoSpin® Soil</i>				
	• <i>Selling unit: 50 preps</i>				



	• Kit Components: Lysis buffer SL1 (60 mL), Lysis buffer SL2 (60 mL), Lysis buffer SL3 (10 mL), Enhancer SX (10 mL), Binding buffer SB (60 mL),				
	Wash buffer SW1 (30 mL), Wash buffer SW2 (Concentrate)* (25				
	mL), Elution buffer SE** (13 mL), MN Bead Tubes Type A (50),				
	NucleoSpin Inhibitor Removal Columns (red rings) (50),				
	NucleoSpin Soil Columns (green rings) (50), Collection Tubes				
	(2 mL) (50), Collection Tubes (2 mL, lid) (50), User manual (1)				
	• Format: Mini spin columns				
	• Sample: < 500 mg of soil or sediment				
	• Yield: 2-10 µg				
	• Elution volume: 30-100 µl				
	• Binding capacity: 50 µg				
	• Use: for research use only				
<b>147</b>	<b>stearic acid, technical grade</b>	<b>kg</b>	<b>1</b>	<b>140.00</b>	<b>140.00</b>
<b>148</b>	<b>Stirring Hot Plate (220-240/50-60Hz)</b>	<b>pc</b>	<b>1</b>	<b>49,000.00</b>	<b>49,000.00</b>
	Temperature Range: 30°–540°C (86°–1,004°F)				
	Revolutions per Minute: 50–1,500rpm				
	Weight Limit: 25lb (11.3kg)				
	Display: LED display				
	Material: Top Plate: Ceramic				
	Electrical: MA-1827: 100-120V / 50-60Hz, 12 Amps, 1,440 Watts, 1 Phase				
	MA-1827F: 220-240V / 50-60Hz, 4.4 Amps, 1,056 Watts, 1 Phase				
	Platform Size: 7.25 x 7.25in (184.2 x 184.2mm) WxD				
	Product Dimensions: 8.2 x 14.2 x 4.1in (208.3 x 361 x 104.1mm), WxDxH				
	Estimated Shipping Weight: 11.0lb (4.99kg)				
<b>149</b>	<b>Sucrose</b>	<b>btl</b>	<b>3</b>	<b>1,500.00</b>	<b>4,500.00</b>
	Analytical Reagent Grade 500g per bottle				
<b>150</b>	<b>Sulfuric Acid - 95-98%</b>	<b>btl</b>	<b>4</b>	<b>5,000.00</b>	<b>20,000.00</b>
	☑Free from suspended or insoluble matter				
	☑Nominally 95-98% H <sub>2</sub> SO <sub>4</sub>				
	☑1 bottle contains 2.5L				
<b>151</b>	<b>Tertiary Butyl Alcohol (TBA), Technical, 1L/btl</b>	<b>btl</b>	<b>2</b>	<b>700.00</b>	<b>1,400.00</b>
	tert-Butanol, synthesis grade				
	(CH <sub>3</sub> ) <sub>3</sub> COH				
<b>152</b>	<b>Test Tube, Borosilicate Glass, Rimless, 20 x 150 mm</b>	<b>pc</b>	<b>100</b>	<b>100.00</b>	<b>10,000.00</b>
<b>153</b>	<b>Thermohygrometer, Digital, Indoor, Touch Panel</b>	<b>unit</b>	<b>4</b>	<b>1,500.00</b>	<b>6,000.00</b>
	Temp. Range : -20 °C - 70 °C (14 °F-158 °F)				
	Temp. Acc.: ±1 °C±2 °F				
	Humidity Range : 20%-95%				





	<i>Humidity Acc. : ±5%</i>				
	<i>Humidity Resolution: 0.1 °C</i>				
	<i>10s Refresh Rate</i>				
<b>154</b>	<b>Thumb Tissue Forcep for Dissection</b>	<b>pc</b>	<b>4</b>	<b>700.00</b>	<b>2,800.00</b>
	<i>Features:</i>				
	<i>Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2</i>				
	<i>teeth: 8 inches long</i>				
	<i>Thumb Tissue Forcep are used to grasp, hold, and manipulate tissue during surgical procedures. Surgical Thumb Tissue Forceps feature two blades designed to grasp tissue and come in a variety of handle styles, lengths, and jaw patterns.</i>				
<b>155</b>	<b>TLC Plate, Silica Gel 60 F254, box of 25's</b>	<b>box</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
	<i>General description</i>				
	<i>25 Glass plates 20 x 20 cm</i>				
	<i>Analysis Note</i>				
	<i>Specific surface area (according to BET; 5-Pt.measurement): 480 - 540 m<sup>2</sup>/g</i>				
	<i>Pore volume(N<sub>2</sub>-isotherm):0.74 - 0.84 ml/g</i>				
	<i>d 50 (laserdiffraction, size distribution): 9.7 - 11.7 μm</i>				
	<i>Layerthickness: 210 - 270 μm</i>				
	<i>Deviationof layer thickness per plate: ≤ 35 μm</i>				
	<i>Chromatographic testing:</i>				
	<i>A) colourtest</i>				
	<i>hRf-values</i>				
	<i>- bleu viforganol, colour test, lipophile: 11 - 25</i>				
	<i>- CeresBlack G, colour test, lipophile: 34 - 48</i>				
	<i>- ceresViolet bm, colour test, lipophile: 52 - 67</i>				
	<i>separationnumber (colour test, lipophile): ≥ 10.5</i>				
	<i>B)Steroid test</i>				
	<i>hRf-values</i>				
	<i>- Hydrocortisone, steroid test: 25 - 37</i>				
	<i>- Reichstein S, steroid test: 37 - 49</i>				
	<i>- Methyltestosterone, steroid test: 42 - 54</i>				
	<i>Typical value determined on a conditioned plate</i>				
	<i>Eluent A) Toluene (45% rel. humidity)</i>				
	<i>Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity)PROPERTIES</i>				
	<i>Material, glass support</i>				
	<i>silica gel 60 matrix</i>				
	<i>Quality Level: 100</i>				
	<i>feature</i>				
	<i>binder Organic Polymer</i>				
	<i>fluorescent indicator</i>				
	<i>pkg of 25 plates</i>				
	<i>thin layer chromatography (TLC): suitable</i>				




	layer thickness: 250 $\mu$ m				
	plate L x W: 20 cm x 20 cm				
	particle size: 10-12 $\mu$ m				
	pore size: 60 Å medium pore diameter				
	storage temp.: 2-30°C				
<b>156</b>	<b>Toluene</b>	<b>btl</b>	<b>2</b>	<b>7,300.00</b>	<b>14,600.00</b>
	☐(CAS 108-88-3)				
	☐2.5 liters,				
	☐Analytical Grade				
	☐99.5%,				
<b>157</b>	<b>Tryptophan</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	Analytical Reagent Grade 500g per bottle;				
<b>158</b>	<b>Vernier Caliper</b>	<b>pc</b>	<b>3</b>	<b>4,000.00</b>	<b>12,000.00</b>
	☐Measurement Range:0-200mm				
	☐Material:Stainless Steel				
	☐Accuracy:0.01mm				
	☐Caliper Type:Digital Calipers				
<b>159</b>	<b>Water Quality Test Meter</b>	<b>pc</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	☐2 in 1 kit, with calibration packets and user's manual				
	◀1 TDS meter				
	◀1 pH meter				
	☐Hand-held and portable, pen-sized				
	☐Color: yellow (pH) + blue (TDS)				
	☐Material: plastic + metal				
	☐Size: length 15.4cm				
	☐Accurate reading				
	☐Good quality				
	☐Durable				
<b>160</b>	<b>Zinc Chloride, Analytical Grade, 500g/btl</b>	<b>btl</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
	☐AR grade, 500 g per bottle;				
<b>161</b>	<b>zirconium oxide beads, 0.5 mm: pkg. of 50</b>	<b>tube</b>	<b>1</b>	<b>10,000.00</b>	<b>10,000.00</b>
<b>162</b>	<b>1 LOT OF LABORATORY CENTRAL &amp; SIDE BENCH</b>	<b>lot</b>	<b>1</b>	<b>750,000.00</b>	<b>750,000.00</b>
	<b>(1 unit) Central Bench (2000*1240*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;				
	Slideway: three section slide rail, no noise;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle;				
	<b>(2 units) Central Bench L*D*H (2000*1240*900) (mm)with reagent rack shelf and top cupboards</b>				
	Frame: steel structure;				
	Cabinet: use high quality galvanized steel sheet ,surface coated with epoxy powder;				




	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;				
	Slideway: three section slide rail, no noise;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle; with reagent rack shelf and top cupboards;				
	<b>(2 units) Side Bench (2000*700*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle;with 3 pcs sockets and covers, 220V.				
	<b>(2 units) Side Bench with Sink and Pegboard (1240*700*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle; with one set pp sink 550*450*310mm + three way outlet faucet; with 1 set water drop pegboard;				
163	<b>1 lot Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+</b>	lot	1	55,000.00	55,000.00
	<b>Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+ Analog Multimeter (10,000.00)= PhP 55,000.00</b>				
	1. Metric Vernier Caliper, External Micrometer Measuring SetS (Calibrated) (5 sets) (PhP 35,000.00)				
	Product Details				
	It consists of a vernier caliper and a micrometre screw gauge, both made entirely from hardened stainless steel. This ensures you hardwearing tools that are also corrosion-resistant.				
	The dual scale on the vernier caliper allows you to choose whether to take your readings in imperial or metric format. You can be sure of accurate measurements thanks to its fine adjustment mechanism, with lock screws to hold it in place for precise reading. The micrometre screw gauge comes in very accurate 0.01 mm reading ranges for pinpoint computations. It also has a compression ring and ratchet stop mechanism to				




	<i>prevent jams and preserve the lifespan of the tool. This measuring set is suitable for general workshop use as well as In laboratories and classrooms.</i>																														
	<i>Specifications</i>																														
	<i>Attribute: Value</i>																														
	<i>Set Contents: Vernier Caliper, External Micrometer</i>																														
	<i>Maximum Micrometer Measurement: 25 mm</i>																														
	<i>Maximum Caliper Measurement: 150 mm</i>																														
	<i>Imperial or Metric: Imperial, Metric</i>																														
																															
	<b>2. 1000ml Glass Measuring Cylinder With Graduated (Calibrated) 10 units ( PhP 10,000.00)</b>																														
	<i>1, Capacity 1000 ml,</i>																														
	<i>2, Standard:ISO international standard</i>																														
	<i>3, Material: borosilicate glass 3.3</i>																														
	<b>3. Analog Multimeter - 10 units (PhP 1000.00 Each) (PhP 10,000.00)</b>																														
	<p><b>Specifications</b></p> <table border="0"> <tr> <td>Function</td> <td>Measuring range</td> </tr> <tr> <td>DCV</td> <td>0.1 (20kΩ/V)</td> </tr> <tr> <td>DCV (NULL)</td> <td>0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)</td> </tr> <tr> <td>ACV</td> <td>±5/25V (40kΩ/V)</td> </tr> <tr> <td>DCA</td> <td>10/50/250/750 (9kΩ/V)</td> </tr> <tr> <td>Resistance</td> <td>50μ/2.5m/25m/0.25A</td> </tr> <tr> <td>Capacitance</td> <td>2k/20k/200k/2MΩ (x1/x10/x100/x1k)</td> </tr> <tr> <td>dB</td> <td>200MΩ (x100k)</td> </tr> <tr> <td>dB</td> <td>10μF</td> </tr> <tr> <td>Load current (LI)</td> <td>-10dB ~ +22dB (for 10VAC) ~ +62dB</td> </tr> <tr> <td>DC high voltage</td> <td>0-150m/15m/1.5m/150μ/1.5μA</td> </tr> <tr> <td>hFE</td> <td>DC25kV (optional probe "HV-10T" is necessary)</td> </tr> <tr> <td></td> <td>1000 at x10 range (optional probe "HFE-6T" is necessary)</td> </tr> </table> <p>Battery R6 (IEC) or UM-3 (1.5V)x2          Fuse Φ5.2x20mm (250V/0.5A)          Size/Mass H159.5xW129xD41.5mm/Approx. 320g</p>	Function	Measuring range	DCV	0.1 (20kΩ/V)	DCV (NULL)	0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)	ACV	±5/25V (40kΩ/V)	DCA	10/50/250/750 (9kΩ/V)	Resistance	50μ/2.5m/25m/0.25A	Capacitance	2k/20k/200k/2MΩ (x1/x10/x100/x1k)	dB	200MΩ (x100k)	dB	10μF	Load current (LI)	-10dB ~ +22dB (for 10VAC) ~ +62dB	DC high voltage	0-150m/15m/1.5m/150μ/1.5μA	hFE	DC25kV (optional probe "HV-10T" is necessary)		1000 at x10 range (optional probe "HFE-6T" is necessary)				
Function	Measuring range																														
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164	10 ml Type 1, class A borosilicate glass Beaker	pc	6	250.00	1,500.00	
165	1000 ml Type 1, class A borosilicate glass Beaker	pc	6	1,000.00	6,000.00	
166	25 ml Type 1, class A borosilicate glass Beaker	pc	6	400.00	2,400.00	
167	250 ml Type 1, class A borosilicate glass Beaker	pc	6	600.00	3,600.00	
168	2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater	lot	1	310,000.00	310,000.00	
	<i>Lot: 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater - Warmer Upgrade (PhP 180,000.00+ PhP 50,000.00= PhP 230,000.00)</i>					-
	<b>1. 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 (PhP 180,000.00)</b>					
	<i>Description:</i>					
	<i>Low electrical noise. Independent second channel for objective heaters or incubator lids. Can be used with Temperature controlled microscope stages, heated. Compatible with objective heater.</i>					
	<i>plastic-encapsulated external probes (optional): no metal ions leakage into solutions</i>					
	<i>Stability 0.01°C self-adjusting</i>					
	<i>Multiple temperature probes: allow to stabilize temperature in large volumes (Petri dishes)</i>					
	<i>Overheating protection: no risk to burn the heating stage or destroy your sample</i>					
	<i>Analog Output to monitor temperature</i>					
	<i>Analog and RS232 Input to set and program temperature</i>					
	<i>No noise: suitable for electrophysiological recordings</i>					
	<i>Standby mode</i>					
	<i>No vibrations during imaging and recording - no internal fan</i>					
	<i>Can be used with objective heaters. Most heating stages work as inline solution pre-heaters. Can be used with flow control and perfusion systems. Includes connecting cables.</i>					



	<b>Specifications:</b>				
	Range: room to 150°C, with accuracy of 0.1°C				
	Temperature probes: optional miniature 0.87mm diameter (fits small volume chambers); plastic-encapsulated				
	Stability: 0.01°C; required for sensitive applications: nano/piezo positioning, confocal imaging				
	Settings: self-adjusting; flexible, allow to stabilize temperature in different sample volumes and heating stage sizes; allow to regulate output from 0 up to 96W per channel - prevents temperature overshoot and provides dual overheating protection				
	Feedback: Stage or External BATH probe				
	Output: 12V 4A max, per channel; 18V and 24V upon request				
	Input: 100-240VAC				
	Dimensions: 8x4x9in.				
					
	<b>2. Objective Heater - Warmer Upgrade (PhP 50,000.00)</b>				
	Description:				
	A thin flexible polyimide heater for any microscope objective. Used with oil or water immersion optics. Built-in temperature sensor. Easy to attach and remove. Simply wrap the heater around objective and secure with included Velcro tape. The heater is usually attached to a cylindrical surface of the objective, closer to the sample. The controller stores two settings in its memory for different size objectives.				
	Compatible with temperature controller.				
	<b>Specifications:</b>				
	Dimensions: 0.5/0.25in. wide x 5/10in long (around objective surface)				
	Temperature stability: 0.01°C, self-adjusting, required for sensitive applications: nano/piezo positioning or confocal imaging				
	Dual overheating protection: regulated power output down to 0W; settings eliminate temperature overshoot;				



	<i>adjustable temperature threshold</i>				
	<i>Easy to install: Fits any objective</i>				
					
	<b>3. Tabletop 6x 50 ml High Speed Centrifuge (PhP 80,000.00)</b>				
	<b>Description:</b>				
	- Brushless motor				
	- Microprocessor control				
	- Max. Speed- 8000- 30000 rpm				
	<b>Specifications:</b>				
	- Brushless motor				
	- Microprocessor control				
	- Max. Speed- 8000- 30000 rpm				
	Power Supply: AC220 V 50 Hz				
	Display: LCD				
	Max. Rcf: 1870 xg				
	Noise: <65 dB				
	Consumption: 350 W				
	Dimensions: 500 x 440 x 330 mm				
					
169	<b>500 ml Type 1, class A borosilicate glass Beaker</b>	pc	6	700.00	4,200.00
170	<b>Ammonia, NH3</b>	btl	1	2,600.00	2,600.00
	<i>Concentrated, Analytical reagent grade, 2.5L/bottle</i>				
171	<b>Ammonium Acetate, AR, 500g</b>	pack	3	1,800.00	5,400.00
172	<b>Ammonium Flouride</b>	btl	2	1,000.00	2,000.00
	☐ White crystalline				
	☐ ACS reagent, ≥98.0%				
	☐ 500g				
173	<b>ammonium meta vanadate, AR&gt;, 500g/btl</b>	btl	1	5,000.00	5,000.00
174	<b>ammonium molybdate</b>	btl	1	1,500.00	1,500.00
	<i>ammonium molybdate, analytical reagent - 500 g.</i>				



175	<b>Ammonium Sulfate, 500g/btl.</b>	btl	1	650.00	650.00
	☐Anhydrous				
	☐Lab grade/ Analytical reagent grade				
	☐Expiration date(3 years from the delivery date)				
	☐Packed in Teflon bottles				
176	<b>Analytical Balance, digital</b>	unit	2	40,000.00	80,000.00
	capacity-200 grams;				
	accuracy-0.001g				
	readability 0.001g				
	with certificate of calibration				
177	<b>Analytical Balance, at least 220g capacity</b>	unit	1	53,000.00	53,000.00
	☐4 decimal places				
	☐Automatic Internal Calibration, LCD back-lit display				
	☐Capacity: 220g				
	☐Readability: 0.1 mg				
	☐Repeatability (std dev): 0.1 mg				
	☐Linearity (+/-): 0.2 mg				
	☐Pan size (mm/inch): 90 Ø/3.5Ø				
	☐Response time: 3 sec				
	☐Calibration: Perfect Self Auto Calibration (temperature / time /power on)				
	☐Display: Bright LCD Display with LED backlight				
	☐Unit of measure: gram, Milligram				
	☐Tare Range: Full				
	☐Operating Temperature: 10°C to 40°C				
	☐Dimension (WXDXH) mm : 342.5X212x341				
	☐Power Supply: AC Adapter 100V- 240V +/- 20% 50-60Hz				
	☐Net weight with Packing: 8 kgs				
	☐Packing Dimension (WXDXH) mm: 500 x 380 x 510 / 19.6" x 14.9"x 20"				
178	<b>Autoclavable Pipetter of Single Channel, 0.2-2 ul, good-quality, brand new</b>	pc	2	19,500.00	39,000.00
179	<b>Autoclavable Pipetter of Single Channel, 100-1000 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
180	<b>Autoclavable Pipetter of Single Channel, 10-100 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
181	<b>Autoclavable Pipetter of Single Channel, 1-10 ul, good-quality, brand new</b>	pc	2	19,500.00	39,000.00
182	<b>Autoclavable Pipetter of Single Channel, 20-200 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
183	<b>Autoclave</b>	unit	1	49,000.00	49,000.00
	external dimension (mm): 455 x 691 x 890 Dimensions (mm): 364 x 482 Canned body capacity: 50.2 L Temperature range (variable equation): Sterilization / 105 to 135 ° C, dissolved / 60 to 100 ° C, Insulation / 45 to 60 ° C Pressure gauge: Digital / 0 to 0.3 MPa Analog / 0 to 0.4 MPa Timer: Sterilization / 1 to 300 minutes,				





	dissolution / 1 to 60 minutes, Reservation / 1 hour to 99 hours Selection course: Liquid, agar, equipment, and dissolution Function: air vent double sensing system, forced cooling, water discharge bottle full water, detection, exhaust level adjustment (four stages), auto cut-off memory (12 Data) Safety device: Pressure safety valve, leakage current, overcurrent breaker and error display (Air heater, temperature sensor disconnection, overtemperature, overcooling, overpressure, Lid / exhaust valve / heater abnormality) power supply: AC100V 20 A Weight: About 62 kg Accessories: stainless steel round wire mesh basket x 2 pieces, drainage bottle x 1 piece duckboard x 1 piece caster stopper x 2 pieces Heteroclave Freight, carrying, installation and assembly costs are required separately. Please contact us * This product is not a medical device Model Number: HG-50 LB				
<b>184</b>	<b>Beaker, Glass, 1000mL</b>	<b>pc</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	☐1000mL capacity, borosilicate glass;				
<b>185</b>	<b>Beaker, Glass, 100mL</b>	<b>pc</b>	<b>24</b>	<b>500.00</b>	<b>12,000.00</b>
	☐100mL capacity, borosilicate glass;				
<b>186</b>	<b>Beaker, Glass, 2000mL</b>	<b>pc</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	☐2000mL capacity, borosilicate glass;				
<b>187</b>	<b>Beaker, Glass, 500mL</b>	<b>pc</b>	<b>3</b>	<b>1,000.00</b>	<b>3,000.00</b>
	☐500mL capacity, borosilicate glass;				
<b>188</b>	<b>Beaker, Glass, 50mL</b>	<b>pc</b>	<b>24</b>	<b>400.00</b>	<b>9,600.00</b>
	☐50mL capacity, borosilicate glass;				
<b>189</b>	<b>Boric Acid, Analytical Reagent</b>	<b>kg</b>	<b>1</b>	<b>2,800.00</b>	<b>2,800.00</b>
<b>190</b>	<b>Centrifuge (Conical) Tubes, 15mL Capacity</b>	<b>pack</b>	<b>4</b>	<b>950.00</b>	<b>3,800.00</b>
	☐With graduations and marking spot.				
	☐Screwcap (plugseal)				
	☐Sterile. RNase-/DNase-free.				
	☐Non-pyrogenic				
	☐Polyethylene terephthalate (PET) material				
	☐At least 3600 centrifugal force (x g)				
	☐Pack of 50 Tubes				
<b>191</b>	<b>Centrifuge (Conical) Tubes, 50mL Capacity</b>	<b>pack</b>	<b>4</b>	<b>1,050.00</b>	<b>4,200.00</b>
	☐With graduations and marking spot.				
	☐Screwcap (plugseal)				
	☐Sterile. RNase-/DNase-free.				
	☐Non-pyrogenic				
	☐Polyethylene terephthalate (PET) material				
	☐At least 3600 centrifugal force (x g)				
	☐Pack of 25 Tubes				
<b>192</b>	<b>Cesium Chloride</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	CAS: 7647-17-8				
	Form: Colourless or white deliquescent crystals or powder or beads or chunk				



	<i>Pack Size: 25g</i>				
	<i>Packaging Type: glass bottle</i>				
	<i>Grade: AR quality</i>				
<b>193</b>	<b>citric acid, technical grade</b>	<b>kg</b>	<b>1</b>	<b>500.00</b>	<b>500.00</b>
<b>194</b>	<b>Digital Vernier Caliper</b>	<b>pc</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
	<i>Electromagnetic induction type absolute encoder and Advanced Onsite Sensor (AOS) technology;</i>				
	<i>Range: 200 mm;</i>				
	<i>Resolution: 0.01 mm.</i>				
	<i>Power supply: : Button-type silver oxide battery</i>				
	<i>SR44</i>				
<b>195</b>	<b>Emergency Eye Washer with Shower</b>	<b>unit</b>	<b>2</b>	<b>49,000.00</b>	<b>98,000.00</b>
	<i>Material: stainless steel;</i>				
	<i>Emergency shower: 304 stainless steel inlet pipes/s stay-open ball valve with s/s actuating arm s/s pull rod &amp; s/s shower head;</i>				
	<i>Eye wash: 304 stainless steel inlet pipe, s/s stay-open ball valve with flag handle &amp; s/s eye wash bowl;</i>				
	<i>Spray head: Chemical resistant PP/Solid brass,built-in stainless steel filter to remove impurities from water;</i>				
	<i>Foot treadle stainless steel</i>				
<b>196</b>	<b>Erlenmeyer Flask 125ml.</b>	<b>pcs</b>	<b>6</b>	<b>600.00</b>	<b>3,600.00</b>
	<i>Material:</i>				
	<i>borosilicate glass</i>				
	<i>bottom (baffled)</i>				
	<i>wide-mouth</i>				
<b>197</b>	<b>Erlenmeyer Flask, Glass, 1L</b>	<b>pc</b>	<b>6</b>	<b>3,000.00</b>	<b>18,000.00</b>
<b>198</b>	<b>Erlenmeyer Flask, Glass, 250mL</b>	<b>pc</b>	<b>6</b>	<b>400.00</b>	<b>2,400.00</b>
	☑ <i>Material: Borosilicate Glass</i>				
	☑ <i>Good Quality</i>				
<b>199</b>	<b>Erlenmeyer Flask, Glass, 500ml</b>	<b>pc</b>	<b>6</b>	<b>600.00</b>	<b>3,600.00</b>
	☑ <i>Material: Borosilicate Glass</i>				
	☑ <i>Good Quality</i>				
<b>200</b>	<b>Filter paper, #1</b>	<b>box</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
	<i>qualitative analysis</i>				
	<i>125 mm diameter</i>				
	<i>at least 100 pcs. per box</i>				
<b>201</b>	<b>Gloves, Nitrile, Small</b>	<b>box</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
	☑ <i>box or 100-50 pairs, small</i>				
	☑ <i>natural rubber latex-free, powderless</i>				
	☑ <i>micro grip</i>				
<b>202</b>	<b>Gravity Convection Oven</b>	<b>pc</b>	<b>1</b>	<b>90,000.00</b>	<b>90,000.00</b>
	<i>Chamber Material: Aluminum</i>				
	<i>Display: Analog</i>				
	<i>Dimensions (D x W x H) Interior: 11.5 x 16 x 16.2 in. (29 x 41 x 41cm)</i>				
	<i>Dimensions (L x W x H) Exterior: 13.5 x 18.5 x 22.5 in. (34 x 47 x 57cm)</i>				



	<i>Temperature Range: Ambient +5° to 210°C</i>				
	<i>Temperature Control: Bimetallic thermostat</i>				
	<i>Power source:220- 240V 50/60Hz</i>				
	<i>Certifications/Compliance:UL/cUL listed</i>				
<b>203</b>	<b>Lab Gown Long Sleeves L</b>	<b>pc</b>	<b>5</b>	<b>500.00</b>	<b>2,500.00</b>
	☑ <i>Lab Coat High-quality White</i>				
	☑ <i>Size- Large; long sleeves</i>				
<b>204</b>	<b>Microcentrifuge Tubes (1.5mL Capacity)</b>	<b>pack</b>	<b>4</b>	<b>1,000.00</b>	<b>4,000.00</b>
	☑ <i>1.5mL Capacity</i>				
	☑ <i>clear</i>				
	☑ <i>safe-lock</i>				
	☑ <i>pack of 1000</i>				
	☑ <i>autoclavable</i>				
<b>205</b>	<b>Microcentrifuge Tubes (2.0mL Capacity)</b>	<b>pack</b>	<b>4</b>	<b>2,000.00</b>	<b>8,000.00</b>
	☑ <i>2.0mL Capacity</i>				
	☑ <i>clear</i>				
	☑ <i>safe-lock</i>				
	☑ <i>pack of 1000</i>				
	☑ <i>autoclavable</i>				
<b>206</b>	<b>Micropipette Tip, 10 uL</b>	<b>pack</b>	<b>4</b>	<b>600.00</b>	<b>2,400.00</b>
	☑ <i>10 uL-capacity</i>				
	☑ <i>Standard tip, graduated</i>				
	☑ <i>Autoclavable</i>				
	☑ <i>Pack of 1000 tips</i>				
<b>207</b>	<b>Micropipette Tip, 1000 uL</b>	<b>pack</b>	<b>4</b>	<b>750.00</b>	<b>3,000.00</b>
	☑ <i>capacity, 1000 uL</i>				
	☑ <i>Standard tip, graduated</i>				
	☑ <i>Autoclavable</i>				
	☑ <i>Pack of 1000 tips</i>				
<b>208</b>	<b>Micropipette Tip, 200 uL</b>	<b>pack</b>	<b>4</b>	<b>550.00</b>	<b>2,200.00</b>
	☑ <i>capacity, 200 uL</i>				
	☑ <i>Short tip, graduated,</i>				
	☑ <i>Autoclavable</i>				
	☑ <i>Pack of 1000 tips</i>				
<b>209</b>	<b>Microwave Oven, 30L</b>	<b>unit</b>	<b>2</b>	<b>12,000.00</b>	<b>24,000.00</b>
	☑ <i>30 Liters Microwave Oven</i>				
	☑ <i>Quick Defrost</i>				
	☑ <i>Push Bottom + Knob + Digital</i>				
	☑ <i>Automatic Programmes</i>				
	☑ <i>5 Power Levels</i>				
	☑ <i>LED White Color</i>				
	☑ <i>Turntable Size: 315mm</i>				
	☑ <i>Voltage: 230V</i>				
	☑ <i>Frequency: 60Hz</i>				
	☑ <i>Microwave Power: 100W</i>				
<b>210</b>	<b>MIni CERTRIFUGE</b>	<b>unit</b>	<b>1</b>	<b>40,000.00</b>	<b>40,000.00</b>
	☑ <i>Description:</i>				



	◀ Quiet & Compact				
	◀ Spins multiple micro sample tube sizes				
	◀ Ideal for Quick Spin-Downs				
	◀ Fast Starting & Stopping				
	▣ Specifications:				
	◀ RPM: 6,600 rpm				
	◀ RCF: 2,200 xg				
	◀ Microtube Rotor: 2 x 8-strips or 16 x 0.2mL tubes				
	◀ Dimensions (WxDxH): +4°C to 50°C				
	◀ Electrical: 100V to 230VAC, 50/60 HZ, 0.1 A				
	◀ Warranty: 1 year				
<b>211</b>	<b>Orbital Shaker</b>	<b>unit</b>	<b>1</b>	<b>49,000.00</b>	<b>49,000.00</b>
	Model: OS – 20 Range of rotation: 40 – 200rpm				
	Max load: 2kg (without clamp)				
	Orbital diameter: 20mm Display: LED display				
	Operation mode: Timing / continuous running				
	Timing range: 1min – 19h59min				
	Allowable ambient temp range: 5 – 40°C				
	Allowable relative humidity: 80% DIN EN60529				
	protection method: IP20				
	Size: 270*330*130mm Voltage/Frequency: 100 – 240VAC				
	50/60Hz Motor input/output power: 200W / 10W				
<b>212</b>	<b>pH Meter with complete specification</b>	<b>unit</b>	<b>2</b>	<b>40,000.00</b>	<b>80,000.00</b>
	Specifications: Parameters Measured: pH/ mV (ORP)/°C				
	Range pH: (-2.00~19.99) PH				
	mV: (0± 1999) mV Temp: (0.0~80.0)° C				
	Resolution pH: 0.01 PH mV: ± 1mV				
	Temp: 0.01° C				
	Accuracy pH: ± 0.01 pH ± 1bit				
	mV: ± 0.1mV ± 1bit				
	Temper: ± 0.01° C				
	Stability: (± 0.01 pH ± 1bit)/3h				
	Temperature Compensation: Manual/Auto (0.0~80.0)° : LCD, dual parameter				
	Power: Universal power adapter (12V DC, 1.0mA)				
<b>213</b>	<b>Potassium dichromate, AR Grade</b>	<b>btl</b>	<b>4</b>	<b>1,550.00</b>	<b>6,200.00</b>
	▣ 500 grams/poly bottle;				
<b>214</b>	<b>Potassium dihydrogen phosphate, AR, 500g/btl</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
<b>215</b>	<b>Potassium sulfate, K<sub>2</sub>SO<sub>4</sub></b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Analytical reagent grade, 500g/bottle;				
<b>216</b>	<b>Qualitative filter paper, Grade 1 or its equivalent</b>	<b>pack</b>	<b>5</b>	<b>700.00</b>	<b>3,500.00</b>
	▣ Material: cellulose filters, circles				
	▣ Pack Size: 100 pcs				
	▣ Parameter: 0.25 psi wet burst				
	▣ Diameter : 25 mm				
	▣ Thickness: 180 μm				
	▣ Pore size: 11 μm (Particle retention)				



	☐Basis weight: 87 g/m <sup>2</sup>				
217	<b>Sieve no.10 with cover and pan</b>	set	1	10,000.00	10,000.00
	☐Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 μm (0.0787in)				
	☐Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)				
	☐Sieve Cover (8" Brass Sieve Cover Lid)				
218	<b>sodium carbonate</b>	kg	3	1,000.00	3,000.00
	sodium carbonate - analytical grade, 1.00 kg				
219	<b>sodium chloride, technical grade</b>	kg	2	500.00	1,000.00
220	<b>Sodium Hexametaphosphate, 500g</b>	btl	5	800.00	4,000.00
221	<b>Sodium Hydroxide, Technical Grade, Flakes 25kgs/bag</b>	bag	5	2,750.00	13,750.00
222	<b>Soil Test Kit</b>	set	1	2,500.00	2,500.00
223	<b>Stainless Steel Laboratory Microspatula</b>	pc	1	3,000.00	3,000.00
224	<b>Strontium Chloride</b>	btl	2	5,000.00	10,000.00
	☐Anhydrous				
	☐Lab grade/ Analytical reagent grade				
	☐Expiration date(3 years from the delivery date)				
	☐Packed in Teflon bottles at 500g				
225	<b>Sulfuric acid, H<sub>2</sub>SO<sub>4</sub></b>	btl	1	5,000.00	5,000.00
	☐Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle				
226	<b>Test Tube (Small), Glass, 12 x 75mm</b>	pc	30	200.00	6,000.00
	☐12x75 mm glass (borosilicate)				
227	<b>Test tube/ Bottle Cleaning Brush</b>	pc	2	100.00	200.00
228	<b>Top Loading Weighing Scale</b>	unit	2	35,000.00	70,000.00
	☐Usage/Application: Laboratory				
	☐Capacity: 6 kg				
	☐accuracy: 0.01g				
	☐Display: Digital				
229	<b>Triethanolamine, AR</b>	liter	1	3,000.00	3,000.00
230	<b>Volumetric Flask 100ml</b>	pc	5	1,000.00	5,000.00
	☐100 mL (±0.01 mL)				
	☐Borosilicate glass with glass standard taper stopper,				
	☐Class A				
	☐Calibrated				
231	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>	pc	2	14,000.00	28,000.00
	<b>Rebidding (from VSU-GOODS-24-09)</b>				
232	<b>2 Unit of Digital Electric Stereo Microscope with Camera Lucida</b>	lot	1	76,000.00	76,000.00
	Specifications:				
	<b>HARDWARE</b>				
	AR tilting trinocular tube SZX2-ARTTR • Angle of observation tube: 5 to 45 degrees				
	• Maximum power consumption: 10 W				
	• Interpupillary distance adjustment range: 57 to 80 mm				
	• Equipped with eyepiece clamping knob				
	• Light-path switching mechanism: present				



	<i>Eyepiece magnification: 1.25X; camera magnification: 1X</i>				
	<i>• Functions of buttons on the front panel: AR image brightness adjustment (7 levels) and AR image ON/OFF</i>				
	<i>Input connectors: HDMI x 1, USB 2.0 (Type-C) x 1, DC jack x 1</i>				
	<i>• Drive voltage: AC 100–240 V (AC adaptor)</i>				
	<i>• Camera lucida adapter: present</i>				
	<i>• Camera lucida included: yes</i>				
	<i>Zoom magnification sensor Main Functions:</i>				
	<i>• Set the zoom magnification (at click positions only)</i>				
	<i>• Move slides created on the software forward and backward</i>				
	<i>• Output connector: USB 2.0 Type-C</i>				
	<i>Recording:</i>				
	<i>• File saving formats: mp4, mov; Video codec: H264</i>				
	<i>• Audio format: MP3; Audio codec: mp3</i>				
<b>233</b>	<b>2 Whole Plastinated Cat specimen ,1 Whole plastinated cat specimen,3D Cat Model,3D frog Anatomy,3D Human Anatomy Introduction, 3D Bird Anatomy, 3D fish anatomy</b>	<b>lot</b>	<b>1</b>	<b>90,000.00</b>	<b>90,000.00</b>
	<i>Specification:</i>				
	<i>&gt; 2 Whole Plastinated Cat specimen -Dissected model exposing the anatomy of the neck, thoracic regions, abdominal organs, along with musculature of the upper forelimbs and hindlimbs</i>				
	<i>Approximate length: 14 to 18 inches</i>				
	<i>&gt;1 Whole plastinated cat specimen Model showing superficial muscles of the cat</i>				
	<i>&gt; 3D cat model- The 3D Cat Anatomy software is an interactive model that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.</i>				
	<i>&gt; 3D frog anatomy. The 3D Frog Anatomy software is an interactive model of an American bullfrog (Rana catesbeiana) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.</i>				
	<i>&gt;3D Human Anatomy Introduction -The 3D Human Anatomy Introduction software consists of an interactive model of the human body, created especially for students, teachers and healthcare professionals.</i>				
	<i>&gt;3D Bird Anatomy -The 3D Bird Anatomy software (desktop version) is an interactive anatomical model of a</i>				



	<i>pigeon. This tool allows you to visualize bones, muscles and internal organs, as well as details of the bird's external anatomy.</i>				
	<i>&gt;3D fish anatomy The 3D Fish Anatomy software is an interactive model of a perch (Perca flavens) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption or removed to permit viewing of deeper structures.</i>				
<b>234</b>	<b>35 lab chairs , 5 aluminum shelves</b>	<b>lot</b>	<b>1</b>	<b>176,000.00</b>	<b>176,000.00</b>
	<b>35 pcs. Stacking Chair</b>				
	<i>Width: 20 inches</i>				
	<i>Height: 32 1/2 inches</i>				
	<i>Arms: Without Arms</i>				
	<i>Assembled: Assemble Required</i>				
	<i>Back: With Back</i>				
	<i>Color: Black</i>				
	<i>Features: Stackable</i>				
	<i>Frame Color: Silver</i>				
	<i>Frame Material: Steel</i>				
	<i>Padded Seat: Without Padded Seat</i>				
	<i>Seat Material: Plastic</i>				
	<i>Shape: Rectangle</i>				
	<i>Style: Solid Back</i>				
	<i>Type: Chairs</i>				
	<i>Usage: Breakroom Indor</i>				
	<b>5 pcs. 5-Layer Steel Cabinet with Glass Sliding Doors</b>				
	<i>Product specifications</i>				
	<i>Color: Beige, Light Gray, Offwhite</i>				
	<i>Material/s Used: Ga24 Metal Sheet, Heavy Duty Ball Bearing Rollers, Powdercoated Painting Flnish</i>				
	<i>Dimension (WxDxH): 900X4000X1850</i>				
<b>235</b>	<b>4-Nitrophenol or p-Nitrophenol</b>	<b>Vial</b>	<b>1</b>	<b>6,000.00</b>	<b>6,000.00</b>
	<i>Analytical standard</i>				
	<i>Powder or crystal form</i>				
	<i>HPLC suitable</i>				
	<i>Vial of 1g</i>				
<b>236</b>	<b>Acetone</b>	<b>gal</b>	<b>2</b>	<b>1,600.00</b>	<b>3,200.00</b>
	☑ <i>Acetone, Technical Grade</i>				
	☑ <i>1gal</i>				
<b>237</b>	<b>Amber Reagent Bottle, 100mL</b>	<b>pc</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
	<i>With Stopper/Screw Cap</i>				
	<i>Material: Glass/Borosilicate Glass</i>				
	<i>Capacity: 100mL</i>				
<b>238</b>	<b>Amber Reagent Bottle, 500mL</b>	<b>pc</b>	<b>2</b>	<b>750.00</b>	<b>1,500.00</b>
	<i>With Stopper/Screw Cap</i>				



	<i>Material: Glass/Borosilicate Glass</i>				
	<i>Capacity: 500mL</i>				
<b>239</b>	<b>Automatic tilt measure ,Sulphuric acid</b>	<b>btl</b>	<b>1</b>	<b>62,500.00</b>	<b>62,500.00</b>
	<i>Automatic tilt measure</i>				
	<i>with rubber stopper and storage bottle 500 ml</i>				
	<i>for 10 ml sulphuric acid</i>				
<b>240</b>	<b>Automatic tilt measure, Amyl alcohol</b>	<b>btl</b>	<b>1</b>	<b>58,000.00</b>	<b>58,000.00</b>
	<i>Automatic tilt measure Superior</i>				
	<i>with rubber stopper and storage bottle 250 ml</i>				
	<i>for 1 ml amyl alcohol</i>				
<b>241</b>	<b>Barfoed's Reagent Solution 1000mL</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<i>Technical Reagent Grade 1000mL per bottle</i>				
<b>242</b>	<b>Benedict's Solution 1000mL</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	<i>Technical Reagent Grade 1000mL per bottle;</i>				
<b>243</b>	<b>Biological Safety Cabinet- Class I</b>	<b>set</b>	<b>1</b>	<b>165,000.00</b>	<b>165,000.00</b>
	<i>suitable for work involving low to moderate risk agents (Biosafety Levels 1, 2 and 3) where there is a need for containment, but not for product protection.</i>				
	<i>the HEPA filter included protects the environment by filtering air before it is exhausted</i>				
	<i>With the negative pressure, personnel protection is made possible by constant movement of air into the work area</i>				
	<i>Specifications:</i>				
	<i>UV lamp for sterilization</i>				
	<i>Soft touch control panel, LCD display</i>				
	<i>Energy-saving, high efficiency, low noise.</i>				
	<i>With memory function in case of power-failure.</i>				
	<i>304 stainless steel work stable, easy for cleaning.</i>				
	<i>Stable air flow system; provide firm protection to person and environment.</i>				
	<i>External Size: (W*D*H), mm: 900*713*1250mm</i>				
	<i>Internal Size:(W*D*H), mm: 900*713*1250mm</i>				
	<i>Voltage: 220V (AVR included)</i>				
<b>244</b>	<b>Blood Lancets g.23 box of 200</b>	<b>box</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
<b>245</b>	<b>Boiling Stone or Chips</b>	<b>bag</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	<i>1000pcs/bag Glass Marbles High Precision Lab Glass Beads Used in distillation to prevent liquid level boiling</i>				
<b>246</b>	<b>Butyrometer for milk 0-10%</b>	<b>pc</b>	<b>3</b>	<b>30,000.00</b>	<b>90,000.00</b>
	<i>Milk butyrometer 0 – 10 %: 0.1 (accessory: 3280), glass</i>				
<b>247</b>	<b>Carbon Disulfide 500mL</b>	<b>btl</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
	<i>Analytical Reagent Grade 500mL per bottle</i>				
<b>248</b>	<b>Chlorine</b>	<b>gal</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>
	<i>Liquid;</i>				
<b>249</b>	<b>Chloroform 2.5L</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>250</b>	<b>Condom or Rubber Sheath</b>	<b>pc</b>	<b>40</b>	<b>110.00</b>	<b>4,400.00</b>
	<i>material: Latex rubber</i>				





<b>251</b>	<b>Custom oligo primers</b>	<b>unit</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	■HPLC-CE purified				
<b>252</b>	<b>Cyclohexene</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Analytical Reagent Grade 2.5L per bottle				
<b>253</b>	<b>Deep Freezer w/ surge protector (AVR)</b>	<b>unit</b>	<b>1</b>	<b>80,000.00</b>	<b>80,000.00</b>
	Specifications:				
	< Rated Voltage: 230V				
	< Rated Frequency: 60Hz				
	< Rated Power Input: 216W				
	< Rated Current: 1.OA				
	< Weight: 51kgs				
	< Refrigerant/ Amount: R134a/125g				
	< Climate: T				
	< Classification of Anti- electric Shock: OI				
	< Volume-365 L				
	< Energy Consumption-1.78Kw-h/24h				
	< Stainless Steel				
	<7 cubic meters				
	< -50 degrees Celsius (Negative 50 degrees Celsius)				
	< Dual Compartment				
	< Any Color				
	< With Safety Lock				
	< Interior Light				
<b>254</b>	<b>Dial Instant-Read Kitchen Thermometer (Bimetal)</b>	<b>unit</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	Reads in 15-20 seconds				
	Place 2 - 2 1/2 deep in the thickest part of food				
	Can be used in roasts, casseroles, and soups				
	Temperature is averaged along probe, from tip to 2-3" up the stem				
	Cannot measure thin foods unless inserted sideways				
	Not designed to remain in food while it is cooking				
	Use to check the internal temperature of a food at the end of cooking time				
	Can be calibrated				
<b>255</b>	<b>Digital Weighing Scale- 0.01-5kg</b>	<b>unit</b>	<b>1</b>	<b>28,000.00</b>	<b>28,000.00</b>
	■Capacity: 0.01g to 5kg				
	■Type: Laboratory Balance				
	■Power Supply: 100-240V/50-60H				
	■Size: 320*205*100mm				
<b>256</b>	<b>Drager Aspirator Bulb</b>	<b>pc</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
<b>257</b>	<b>Ethyl Alcohol (95%)</b>	<b>canister</b>	<b>3</b>	<b>4,000.00</b>	<b>12,000.00</b>
	■Container size: Plastic waterjug (20L)				
<b>258</b>	<b>Filter paper</b>	<b>pack</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	Specifications:				
	-Glass microfiber filters				



	- Diameter: 47 mm				
	-Pore size: 1.2 $\mu\text{m}$ or 1.5 $\mu\text{m}$				
	-100 pcs per pack				
<b>259</b>	<b>Formaldehyde</b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Analytical Reagent Grade 2.5L per bottle;				
<b>260</b>	<b>Giemsa stain set</b>	<b>set</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml				
<b>261</b>	<b>Glass Jar 8oz</b>	<b>box</b>	<b>15</b>	<b>350.00</b>	<b>5,250.00</b>
	☐ Clear				
	☐ 8oz				
	☐ M-7177				
	☐ with cap				
	☐ 24pcs/box				
<b>262</b>	<b>Gloves, Nitrile, Medium</b>	<b>box</b>	<b>3</b>	<b>1,500.00</b>	<b>4,500.00</b>
	☐ Glove Type: Chemical Resistant Disposable Gloves				
	☐ Glove Material: Nitrile				
	☐ Powder-Free				
	☐ 1 box of 100 or 50 pairs				
	☐ Food Safe				
	☐ Size: Medium				
<b>263</b>	<b>Glycerin 1L/Bottle, AR</b>	<b>btl</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
<b>264</b>	<b>Graduated Cylinder, Glass, 1000mL</b>	<b>pc</b>	<b>2</b>	<b>1,500.00</b>	<b>3,000.00</b>
	☐ Material: Borosilicate Glass				
	☐ Good Quality				
<b>265</b>	<b>Graduated Cylinder, Glass, 100mL</b>	<b>pc</b>	<b>7</b>	<b>400.00</b>	<b>2,800.00</b>
	☐ Type 1, Class A Borosilicate Glass				
<b>266</b>	<b>Graduated Cylinder, Glass, 250mL</b>	<b>pc</b>	<b>7</b>	<b>600.00</b>	<b>4,200.00</b>
	☐ Material: Borosilicate Glass				
	☐ Good Quality				
<b>267</b>	<b>Graduated Cylinder, Plastic, 1000mL</b>	<b>pc</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
	Plastic, 1000ml (1L) capacity for Particle Size Analysis				
<b>268</b>	<b>Hemaquick Stain</b>	<b>set</b>	<b>2</b>	<b>4,000.00</b>	<b>8,000.00</b>
<b>269</b>	<b>High Precision Stainless Steel Digital Vernier Caliper</b>	<b>pc</b>	<b>5</b>	<b>2,500.00</b>	<b>12,500.00</b>
	6 inches; 0.01-0.025 mm accuracy				
<b>270</b>	<b>Hygrometer Thermometer Indoor Humidity Monitor, Temperature Humidity Meter Room Thermometer Gauge In</b>	<b>unit</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	* Power supply: Station:2 x AAA 1.5V batteries(not included); Sensor: 2 x AAA 1.5V batterie(Battery not included).				
	* Backlight LCD Display				
	* with Remote Sensor				
<b>271</b>	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>272</b>	<b>Laboratory Refrigerator</b>	<b>unit</b>	<b>1</b>	<b>120,000.00</b>	<b>120,000.00</b>
<b>273</b>	<b>Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM,</b>	<b>unit</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>



	<b>5000 mL maximum stirring capacity</b>				
<b>274</b>	<b>Laboratory Stool/Chair, Wheeled</b>	<b>pc</b>	<b>20</b>	<b>4,500.00</b>	<b>90,000.00</b>
<b>275</b>	<b>Laboratory working table</b>	<b>unit</b>	<b>4</b>	<b>58,500.00</b>	<b>234,000.00</b>
	<i>Frame: steel structure; Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder; Table top: made of 12.7mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing; Hinges: open type high quality hinges, self-closing; Handle: aluminum dark type handle, with 3 pcs sockets and covers, 220V</i>				
<b>277</b>	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	<b>btl</b>	<b>2</b>	<b>2,500.00</b>	<b>5,000.00</b>
	☐ Suitable for manual, ultrasonic, and machine washing				
	☐ Completely biodegradable				
	☐ Free of phosphate, chlorine, enzyme, and EDTA				
	☐ Contains anionic and cationic surfactants				
	☐ 5 liters per bottle				
<b>278</b>	<b>Lithium Chloride</b>	<b>btl</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	☐ Anhydrous				
	☐ Lab grade/Analytical reagent grade				
	☐ Expiration date(3 years from the delivery date)				
	☐ Packed in Teflon bottles				
<b>279</b>	<b>Malt Yeast Extract Agar</b>	<b>btl</b>	<b>7</b>	<b>2,000.00</b>	<b>14,000.00</b>
	☐ Applications: Yeasts and molds selective enumeration, yeasts and molds selective isolation				
	☐ pH: 4.7±0.2 at 25°C				
	☐ solubility: without rests				
	☐ Appearance: fine powder				
	☐ 100 grams				
<b>280</b>	<b>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo</b>	<b>lot</b>	<b>1</b>	<b>100,000.00</b>	<b>100,000.00</b>
	<i>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo,, Dissection pans with wax, Dissection pans with wax, Bone saw, Teasing needles, Dissect, Serrated forceps, Thumb forceps, Fine-tip forceps, Scalpel handle, boxes Surgical blades , Mayo Dissecting scissors,</i>				
	<i>Push carts, Sedgewick-Rafter Counting Cell</i>				
	<i>Item Specification</i>				
	<b>2 pcs. Manual sphygmomanometer</b>				
	<i>with calibration key</i>				
	<i>Measure scope 0-300mmHg</i>				
	<i>Accuracy: +/-33mmHg</i>				
	<i>Sub-division: 2mmHg</i>				
	<b>2 pcs. Digital sphygmomanometer/Automatic Blood Pressure Monitor</b>				
	<i>clinically validated</i>				



body movement detection				
blood pressure level indicator				
irregular heartbeat detection				
measurement memory storage				
average for last 3 readings within 10 minutes				
intellisense technology				
<b>2 pcs. Pulse oximeter</b>				
Pulse Rate, Blood Oxygen Saturation (SpO2), Heart Rate				
Measurement range: 70~99%				
Resolution: 1% Power Source:				
Rechargeable Accuracy: 3% (70%~99%)				
Measurement range: 30~240 bpm				
Resolution: 1% Accuracy: 2bpm or 2% (select larger)				
Low Perfusion: 0.4%				
Working Current: 30mA				
Dimension & Weight: 58*36*33mm, 32g				
<b>2 pcs Stop Watch</b>				
Large screen. display				
Counts up to 24 hours with a resolution of 1/100 second				
with lap function, alarm, clock, and calendar				
Includes battery				
<b>10 pcs. Alcohol Thermometer 200 °C</b>				
unit scale: degree Celsius				
range: max 200 degree Celsius				
length: approx 30cm				
material: traditional glass				
alcohol thermometer mounting: tube type				
Item Specification				
>10 pcs. Dissection pans with wax Dimensions: 16x9 inches- Aluminum/stainless steel material				
>20 pcs. Dissection pans with wax 10x7.5 inches- Aluminum/stainless steel material				
>5 pcs. Bone saw				
>30 pcs. Teasing needles Stainless steel handle with a straight metal probe				
>30 pcs. Dissecting probe Stainless steel handle with a bent needle				
>30 pcs. Serrated forceps Stainless steel material, medium points, serrated tips -6 inches long				
>30 pcs. Thumb forceps Stainless steel material, smooth tip				
>30 pcs. Fine-tip forceps Stainless steel material, straight tip				
>40 pcs. Scalpel handle (size 4) without blade Stainless steel material with satin finish				
>2 boxes Surgical blades Size 21				
>1 box Surgical blade Size 10				



	>1 box Surgical blade Size 11				
	>30 pcs. Mayo Dissecting scissors Stainless steel material, straight bladed scissors				
	>30 pcs. Mayo dissecting scissors Stainless steel material, Curved bladed scissors				
	>5 pcs. Push carts Stainless steel With wheels 30inches height 3 layers				
	<b>5pcs.</b> Sedgewick-Rafter Counting Cell				
	Item Specification				
	Material: Brass and Glass				
	Lenght (" ) 3				
	Sample volume: 1.0 ml, cell size 50x201x1mm				
	Width(cm): 2.54				
	Lenght (cm): 7.62				
	Description: Gridded Sedgewick-Rafter Counting Cell, brass, 1.0ml				
<b>281</b>	<b>Methyl orange, Sodium salt</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	■25g per bottle				
	■Orange Solid, Crystalline				
	■Analytical Grade				
<b>282</b>	<b>Microscope with Camera Lucida with Storage Cabinet</b>	<b>unit</b>	<b>2</b>	<b>75,000.00</b>	<b>150,000.00</b>
	Stereo microscope with drawing tube (camera lucida) and dry storage cabinet				
	Specification:				
	Zoom ratio: 10:1				
	Zoom range: 0.75x-7.5x				
	Zoom control: Dual, graduated, bilateral amount				
	Focus: Course and fine focus				
	Magnification: 7x-45x (10x eyepieces)				
	Viewing head: Tilting ergonomic binocular viewing head				
	Revolving nosepiece: manual, standard type				
	Extendable Eyepoint adjuster: yes				
	Camera port: yes, camera mount adapter				
	Attachment for drawing tube: yes				
	Drawing tube or camera lucida: yes, detachable				
	Transmitted light stand: yes - brightfield/darkfield light base				
	Primary light: 6V 30W				
	Accessory light: 6V 30W				
	Light type: Halogen				
	Stage plate: clear and black				
	Objective dust cover: yes				
	Power cord: yes				
<b>283</b>	<b>Mixing bowl Stainless Steel</b>	<b>pc</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	Features: 1. Made of premium stainless steel, shiny, scratch-resistant, rust-resistant. 2. It won't stain or absorb odors,				



	<i>size: 5L, 12 cm Hx26cmHx26cmWx26cmD</i>				
<b>284</b>	<b>Molybdc acid (sodium salt) (Na<sub>2</sub>MoO<sub>4</sub>, 2H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	<b>btl</b>	<b>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	<i>500grams per bottle, AR;</i>				
<b>285</b>	<b>Nerve Muscle Assembly/ Kymograph Assembly</b>	<b>unit</b>	<b>1</b>	<b>100,000.00</b>	<b>100,000.00</b>
	<i>Specification:</i>				
	<i>Universal Kymograph (speeds 0.12, 0.25, 1.25, 2.5, 12.5, 25, 320, 640 mm/sec) with inbuilt Stimulator</i>				
	<i>Muscle and heart Bath with pair of electrodes, lever assembly, pin and ink marker</i>				
	<i>Hook and weight set, set of 11g</i>				
	<i>Hook and weight set, set of 110g</i>				
	<i>Time marker</i>				
	<i>Marriote bottle and stand</i>				
	<i>Kymograph paper</i>				
	<i>Dissection box</i>				
	<i>Dissection tray</i>				
	<i>Pithing needle</i>				
	<i>Muscle clip</i>				
	<i>Connecting wire</i>				
<b>286</b>	<b>Paraformaldehyde</b>	<b>btl</b>	<b>1</b>	<b>9,500.00</b>	<b>9,500.00</b>
	<input checked="" type="checkbox"/> <i>Reagent or analytical grade</i>				
	<input checked="" type="checkbox"/> <i>Crystalline form</i>				
	<input checked="" type="checkbox"/> <i>Bottle of 25g</i>				
<b>287</b>	<b>Pasteur pipette</b>	<b>pc</b>	<b>45</b>	<b>50.00</b>	<b>2,250.00</b>
	<i>Specifications</i>				
	<i>230mm Overall Length, 108mm Tip Length, 120 mm Body Length,</i>				
	<i>Type 1 Clear Glass</i>				
	<i>Non-sterile</i>				
	<i>Max dispensing volume : 2mL</i>				
	<i>No graduations</i>				
<b>288</b>	<b>pH / Temperature Laboratory Bench Meter</b>	<b>unit</b>	<b>1</b>	<b>29,000.00</b>	<b>29,000.00</b>
	<i>◀Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures</i>				
	<i>◀Easy to read large custom LCD</i>				
	<i>◀Easy and Quick Push-button Calibration</i>				
	<i>◀7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration</i>				
	<i>◀Messages on the LCD to make the calibration easy and accurate</i>				
	<i>◀User-selectable "calibration time out" to remind when a new calibration is necessary</i>				
	<i>◀Stability Indicator prompts whenever reading stabilizes.</i>				
	<input checked="" type="checkbox"/> <i>Moreover, it offers an extended temperature range from -20°C (-4°F) to 120°C (248°F),</i>				



	using the MA831R interchangeable temperature probe.				
	▣ Specific Details:				
	◀ Range: pH -2.00 to +16.00 pH				
	◀ Temp.: -20.0 to +120oC / -4.0 to +248oF				
	◀ Resolution: pH 0.01pH				
	◀ Temp.: 0.1oC (0.1oF)				
	◀ Accuracy: pH +/- 0.01 pH (@20oC / 68oF) Temp.: +/- 0.4oC / +/- 0.8oF				
	◀ Typical EMC pH: +/- 0.02 pH				
	◀ Deviation Temp.: +/- 0.4oC / +/- 0.8oF				
	◀ pH Automatic Calibration: 1 or 2 point calibration, with 7 memorised buffers				
	◀ Offset Calibration: +/- 1 pH				
	◀ Slope Calibration: from 80 to 108%				
	◀ Temperature Compensation: automatic, from -20.0 to +120oC / -4.0 TO +248oF or manual, without temperature probe				
	◀ pH electrode: MA 917B/1 (included) double junction refillable glass pH electrode				
	◀ Temperature probe: MA 831R (included) Environment: 0 to 50oC / 32 to 120.0oF; max. RH 95% Input impedance: 10 <sup>12</sup> ohm				
	◀ Power supply: 12 VDC power adaptor (supplied)				
	◀ Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.				
<b>289</b>	<b>Pharmaceutical Agar, AR, 500g/bottle</b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
<b>290</b>	<b>phi25 DNA polymerase, RCA kit</b>	<b>kit</b>	<b>2</b>	<b>40,000.00</b>	<b>80,000.00</b>
<b>291</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>	<b>pack</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>
	Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14				
	<b>PROPERTIES</b>				
	Quality Level 100				
	feature non-bleeding: no				
	graduations and accuracy measuring range accuracy: 1 pH unit				
	roll L 4.8 m , with color scale				
	pH range 1-14				
	detection method colorimetric				
	storage temp. 15-25°C				
<b>292</b>	<b>Pipette Tips (20 ul)</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	▣ 20 ul capacity				
	▣ autoclavable				
	▣ 100 pcs per pack				
<b>293</b>	<b>Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case</b>	<b>set</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
	Specification:				
	Backlit display for nighttime use				
	Built-in calibration button for displaying the average of				



	<i>saved test results</i>				
	<i>Multi-language display</i>				
	<i>Higher-frequency, capacitive circuit improves accuracy</i>				
	<i>Moisture range: 5% to 40% depending on grain tested</i>				
	<i>Temperature range: 32° to 113°F (0° to 45°C)</i>				
	<i>Repeatability &amp; Accuracy: ± 0.5% in normal moisture range for stored grain</i>				
	<i>Single-point or Precision multi-point calibration to match local elevator</i>				
	<i>Direct readout for 40 different grain scales</i>				
	<i>Case color: Black</i>				
	<i>Material: Plastic</i>				
	<i>Power source: Battery-powered</i>				
	<i>Voltage: 9 Volts</i>				
	<i>Certification: certified frustration-free</i>				
	<i>Battery included: yes</i>				
	<i>Includes Protective carrying case with shoulder strap with warranty</i>				
<b>294</b>	<b>Portable Suction Machine</b>	<b>unit</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<i>Suction Machine</i>				
	<i>Power voltage: 220v/60Hz</i>				
	<i>Lightweight and Portable</i>				
	<i>For use in bronchial and oral hygiene to provide effective airway clearance and control infection</i>				
	<i>Oil-free Pump</i>				
	<i>Heavy Duty</i>				
	<i>Power voltage: AC 220V</i>				
	<i>Negative pressure: ≥0.075Mpa</i>				
	<i>Suction rate: ≥19L/min</i>				
	<i>Negative pressure regulating range:-0.013 ~ -0.07MPa(490mmHg)</i>				
	<i>Suction bottle: 1000ml</i>				
	<i>Noise:≤65dB</i>				
	<i>Input Power: 150VA</i>				
	<i>Pump Structure: Self-lubrication without oil</i>				
	<i>Working type: Intermission</i>				
<b>295</b>	<b>Potassium dichromate, AR Grade</b>	<b>btl</b>	<b>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	■500 grams/poly bottle				
<b>296</b>	<b>Razor Blade, Box of 25pcs</b>	<b>box</b>	<b>1</b>	<b>200.00</b>	<b>200.00</b>
<b>297</b>	<b>Reverse transcriptase, 200000 units/ml concentration, 10000 units/tube/kit</b>	<b>kit</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
<b>298</b>	<b>RNA Extraction kit for soil samples</b>	<b>kit</b>	<b>1</b>	<b>30,000.00</b>	<b>30,000.00</b>
	<i>50 reactions in the kit</i>				
<b>299</b>	<b>Scalpel Blade</b>	<b>box</b>	<b>3</b>	<b>500.00</b>	<b>1,500.00</b>
	■Stainless steel				
	■100 blades/box				





<b>300</b>	<b>Seliwanoff's Reagent</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Technical grade (100mL per bottle)</i>				
<b>301</b>	<b>Shelby Tube, 2.5in Diameter X 36in Long</b>	<b>tube</b>	<b>5</b>	<b>5,000.00</b>	<b>25,000.00</b>
	<i>Note: Size is OD. All tubes are 16 gauge steel.</i>				
	<i>3" and 5" tubes are galvanized</i>				
<b>302</b>	<b>Silver Aluminum Foil Zip Lock Pouches</b>	<b>bag</b>	<b>2</b>	<b>300.00</b>	<b>600.00</b>
	<i>Color: silver</i>				
	<i>Size: approx. 7*5cm</i>				
	<i>Quantity: 100pcs</i>				
	<i>Boil-able, freezable and reusable Not transparent, high reflection</i>				
<b>303</b>	<b>Sodium Iodide</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	☑ <i>Anhydrous</i>				
	☑ <i>Lab grade/ Analytical reagent grade</i>				
	☑ <i>Expiration date(3 years from the delivery date)</i>				
	☑ <i>Packed in Teflon bottles</i>				
<b>304</b>	<b>Soft Ice Cream Machine</b>	<b>unit</b>	<b>1</b>	<b>49,999.00</b>	<b>49,999.00</b>
	<i>Voltage: 110V/60Hz</i>				
	<i>Total Power: 1000W</i>				
	<i>Ice Cream Output: 2.6-5.3 Gal / 10-20 L per Hour</i>				
	<i>Hopper Capacity: 1.2 Gal / 4.5 L</i>				
	<i>Cylinder Capacity: 0.4 Gal / 1.6 L</i>				
	<i>Compressor: 430W Embraco</i>				
	<i>Refrigerant: R290a</i>				
	<i>Working Temperature: 41-95 °F / 5-35 °C</i>				
	<i>Product Dimensions: 21.7"x8.3"x26.8"/550x210x680 mm</i>				
	<i>Product Weight: 99.2 lbs / 45 kg</i>				
<b>305</b>	<b>Strontium Chloride</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	☑ <i>Anhydrous</i>				
	☑ <i>Lab grade/ Analytical reagent grade</i>				
	☑ <i>Expiration date(3 years from the delivery date)</i>				
	☑ <i>Packed in Teflon bottles at 500g</i>				
<b>306</b>	<b>Taq DNA Polymerase, 5000U</b>	<b>kit</b>	<b>1</b>	<b>13,500.00</b>	<b>13,500.00</b>
	☑ <i>Certified molecular biology grade</i>				
	☑ <i>For PCR analysis</i>				
	☑ <i>Concentration: 5U/uL</i>				
	☑ <i>Kit includes 25mL each of 10x PCR buffer and 50mM MgCl<sub>2</sub></i>				
	☑ <i>Size: 1mL</i>				
<b>307</b>	<b>Test Tube Racks, 12mm x 12Holes</b>	<b>pc</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	<i>Stainless Steel Holes Test Tube Rack</i>				
<b>308</b>	<b>TRIS-base, pH 8, molbio grade, 500g/bot</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>309</b>	<b>Veterinary Gas Anesthesia Machine</b>	<b>set</b>	<b>1</b>	<b>430,000.00</b>	<b>430,000.00</b>
	<i>Suitable for animals (e.g., dogs and cats).</i>				
	<i>Rebreathing and non-rebreathing circuit.</i>				
	<i>With trolley</i>				



	<i>With patient monitor</i>				
	<i>With oxygen concentrator</i>				
	<i>With endotracheal tube</i>				
	<i>With laryngoscope</i>				
	<i>Soda lime and Isoflurane</i>				
	<i>Power: 220V supply voltage and 60Hz</i>				
	<i>Inclusions: Accessories, Automatic Voltage Regulator, free in-house training</i>				
<b>310</b>	<b>Volumetric Flask 100ml</b>	<b>pc</b>	<b>3</b>	<b>1,000.00</b>	<b>3,000.00</b>
	☐100 mL (±0.01 mL)				
	☐Borosilicate glass with glass standard taper stopper,				
	☐Class A				
	☐Calibrated				
<b>311</b>	<b>Volumetric Flask 10ml</b>	<b>pc</b>	<b>5</b>	<b>500.00</b>	<b>2,500.00</b>
	☐10 mL (± 0.02 mL)				
	☐Class A				
	☐Borosilicate Glass with Glass Standard Taper Stopper				
	☐calibrated				
<b>312</b>	<b>Volumetric Flask 50ml</b>	<b>pc</b>	<b>5</b>	<b>700.00</b>	<b>3,500.00</b>
	☐50mL, (±1mL)				
	☐Borosilicate glass with glass standard taper stopper,				
	☐Class A				
	☐Calibrated				
<b>313</b>	<b>weighing pan, rectangular 260mm, 200 mm</b>	<b>pc</b>	<b>10</b>	<b>500.00</b>	<b>5,000.00</b>
	<i>VSU-GOODS-24-15</i>				
<b>314</b>	<b>Digital Caliper</b>	<b>pc</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>high quality Stainless steel Vernier Calliper (millimeter and inches size) size:12"(0-300mm) high in quality genuine product Digital Calliper</i>				
				<b>TOTAL:</b>	<b>6,351,967.00</b>

Bids received in excess of the ABC for each item shall be automatically rejected at bid opening.

2. The *Visayas State University* now invites bids for the above Procurement Project. Delivery of the Goods is required by *Ninety (90) calendar days upon receipt of Notice to Proceed (NTP) and Purchase Order*. Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country

the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *Visayas State University* and inspect the Bidding Documents at the address given below during *Mondays - Fridays (8:00 AM-5:00 PM)*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *19 March – 08 April until 8:30 AM* from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The amount of applicable fee will depend on the total ABC of items to be quoted as shown below:

<b>Total ABC of Items to be Quoted (PhP)</b>	<b>Bid Docs Fee</b>
1,000,000.00 and below	1,000.00
1,000,001.00 to 5,000,000.00	5,000.00
Above 5,000,000.00	10,000.00

The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.

5. The *Visayas State University* will hold a Pre-Bid Conference on **March 27, 2024; 9:00 AM** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing *via Zoom*, which shall be open to prospective bidders.

Bidders are advised to contact the BAC Secretariat before the scheduled Pre-Bid Conference for the Zoom meeting details.

6. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before **08 April 2024; 8:30 AM**. Late bids shall not be accepted.
7. For bidders who opt to submit their bids electronically, a hardcopy (original) of the bid must be sent to the BAC through preferred couriers. A proof (e.g. courier receipt/waybill, etc.) that a hardcopy of the bid is on transit must be presented upon submission of the electronic bid.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on **08 April 2024, 9:00 AM** at the *BAC Conference Room, VSU Market, Visca, Baybay City, Leyte* and through video conferencing *via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Bidders are advised to contact the BAC Secretariat before the scheduled Bid Opening for the Zoom meeting details.



10. The *Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

11. For further information, please refer to:

***Ms. Jessamine C. Ecleo (BAC Secretariat)***

*Office of the Head for Procurement,*

*VSU-Main, Visca, Baybay City, Leyte*

*Mobile: 053 565 0600 local 1093 or 0998 555 0106*

*Email: [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph)*

***or***

***Mr. Toni Marc L. Dargantes (BAC Secretariat)***

*Office of the VP for Planning, Resource Generation & Auxiliary Services*

*VSU-Main, Visca, Baybay City, Leyte*

*Mobile: 0977 7186594*

*Email: [tmdargantes@vsu.edu.ph](mailto:tmdargantes@vsu.edu.ph)*

12. You may visit the following websites:

For downloading of Bidding Documents: <https://www.vsu.edu.ph/philgeps-opportunities>

*March 18, 2024*

**DILBERTO O. FERRAREN**

*Chairperson, VSU BAC*



**VISAYAS**  
STATE UNIVERSITY

## ***Section II. Instructions to Bidders***



## **1. Scope of Bid**

The Procuring Entity, *Visayas State University*, wishes to receive Bids for the ***Supply and Delivery of Laboratory Equipment, Supplies and Chemicals***, with identification number ***VSU-GOODS-24-28***.

The Procurement Project (referred to herein as “Project”) is composed of *314 items*, the details of which are described in Section VII (Technical Specifications).

## **2. Funding Information**

2.1. The GOP through the source of funding as indicated below for 2024 in the amount of *Six Million Three Hundred Fifty One Thousand Nine Hundred Five Pesos (PhP 6,351,905.00)*.

2.2. The source of funding is: *General Fund, Special Trust Fund and Trust Fund 2024*.

## **3. Bidding Requirements**

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## **4. Corrupt, Fraudulent, Collusive, and Coercive Practices**

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## **5. Eligible Bidders**

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.



- 5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:

Bidder should comply with the following requirements:

- i. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least *fifty percent (50%)* of the ABC for this Project; and
  - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that: **Subcontracting is not allowed.**

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents comprising the Bid: Eligibility and Technical Components**



- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **two (2 years)** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

## **11. Documents comprising the Bid: Financial Component**

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

## **12. Bid Prices**

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
  - a. For Goods offered from within the Procuring Entity's country:
    - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
    - ii. The cost of all customs duties and sales and other taxes already paid or payable;
    - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
    - iv. The price of other (incidental) services, if any, listed in e.





- b. For Goods offered from abroad:
  - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
  - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### **13. Bid and Payment Currencies**

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in: Philippine Pesos.

### **14. Bid Security**

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until **August 08, 2024**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

### **15. Sealing and Marking of Bids**

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

### **16. Deadline for Submission of Bids**

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.



## **17. Opening and Preliminary Examination of Bids**

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

## **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.

- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.

- 19.4. The Project shall be awarded as follows: One Project having several items, which shall be awarded as separate contracts per item.

- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting



the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

## **21. Signing of the Contract**

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.



***Section III. Bid Data Sheet***



## Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: <ul style="list-style-type: none"> <li>a. <i>Laboratory Equipment, Laboratory Supplies, Laboratory Chemicals, or a combination of the foregoing</i></li> <li>b. completed within two (2) years prior to the deadline for the submission and receipt of bids.</li> </ul>
7.1	Subcontracting is not allowed.
12	The price of the Goods shall be quoted DDP <i>VSU Main, Visca, Baybay City, Leyte</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: <ul style="list-style-type: none"> <li>a. The amount of not less than <i>One Hundred Twenty-Seven Thousand Thirty-Nine and 34/100 Pesos (PhP 127,039.34) or two percent (2%) of ABC</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <i>Three Hundred Seventeen Thousand Five Hundred Ninety-Eight and 35/100 Pesos (PhP 317,598.35) or five percent (5%) of ABC</i> if bid security is in Surety Bond.</li> </ul>
15	<p>Bidders are requested to submit two (2) more copies of its bid (Copy 1 and Copy 2) in addition to the required original hardcopy.</p> <p>For filing purposes, the bidders are urged to use <b>Red</b> envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.</p>
19.3	<i>See Section I. Invitation to Bid (Item 1) for the list of items and their corresponding total Approved Budget for the Contract (ABC) per item.</i>
20.2	Bidders are required to submit its updated Mayor's/Business Permit during post-qualification.
21.2	<i>Not Applicable.</i>



## ***Section IV. General Conditions of Contract***



## **1. Scope of Contract**

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

## **2. Advance Payment and Terms of Payment**

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

## **3. Performance Security**

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

## **4. Inspection and Tests**

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.



## **5. Warranty**

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

## **6. Liability of the Supplier**

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.



## *Section V. Special Conditions of Contract*



## Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery term applicable to this Contract is delivered <i>VSU Main Campus, Visca, Baybay City, Leyte</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="padding-left: 40px;"><b><u>Ms. Vivian V. Balbarino</u></b>  <i>Head, Supply and Property Office</i>  <i>VSU-Main, Visca, Baybay City, Leyte</i>  <i>Contact #: 053 565 0600 local 1082/ 09175518871</i>  <a href="mailto:sppmo@vsu.edu.ph">sppmo@vsu.edu.ph</a></p> <ul style="list-style-type: none"> <li>● <b>Additional Instruction: The Supplier should notify the Head of Supply and Property Management Office at least 1 week before the scheduled delivery.</b></li> </ul> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> <li>a. performance r supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> <li>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ol>
	<p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p>



**Spare Parts –**

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
  - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
  - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of 3 years.

Spare parts or components shall be supplied as promptly as possible, but in any case, within 1 month of placing the order.

**Packaging –**

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity

Name of the Supplier

Contract Description

Final Destination

Gross weight

Any special lifting instructions

Any special handling instructions



	Any relevant HAZCHEM classifications
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b> Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Intellectual Property Rights –</b> The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	Payment of staggered deliveries shall be allowed. Payment shall be on “as per cost of the items delivered” subject to inspection and acceptance.
4	The inspections and tests that will be conducted will be specified by the appropriate technical team of VSU to confirm conformity to the contract specifications at no extra cost to VSU.



## *Section VI. Schedule of Requirements*

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item #	Unit	Qty	Description	Delivered, Weeks/Months
1	btl	1	0.5M EDTA, 100 ml	All Items Should Be Delivered to VSU Main Campus, Visca, Baybay City, Leyte within <b>90 calendar days</b> from receipt of <b>Notice To Proceed (NTP)</b> and <b>Purchase Order</b>
2	pc	30	100 ml Type 1, class A borosilicate glass Beaker	
3	pc	3	1000mL Beaker Plastic	
			<i>The polypropylene beaker has excellent transparency and the contents can be seen well.</i>	
			<i>Can be autoclaved.</i>	
			<i>Has excellent chemical resistance and durability</i>	
			<i>Specification: With scale, with handle</i>	
			<i>Material: Polypropylene (PP)</i>	
			<i>Type: Beaker with handle</i>	
			<i>Scale: Yes</i>	
			<i>Heat Resistance Temperature (°C): 120</i>	
			<i>Handle: Yes</i>	
4	btl	1	10x TBE Buffer, 500 ml	
			<i>biotechnology grade;</i>	
5	pc	78	125 ml Erlenmeyer flask	
6	btl	1	2,4-dinitrophenylhydrazine	
			<i>Melting point: 197-200 °C (lit.)</i>	
			<i>Boiling point: 335.43°C (rough estimate)</i>	
			<i>Density 0.843 g/mL at 20 °C</i>	
			<i>refractive index n<sub>20/D</sub> 1.374</i>	
			<i>Flash point: 14 °C</i>	
			<i>storage temp. 2-8°C</i>	
			<i>solubility 50% sulfuric acid: 10 mg/mL, clear, colorless form crystals</i>	
			<i>pka 12.1(at 25°C)</i>	
			<i>color Red</i>	
			<i>PH Range Yellow (11.0) to brown (12.5)</i>	
			<i>Water Solubility slightly soluble</i>	
			<i>Stability: Stable when wet, but explosive when dry. May be shock sensitive when dry. Highly flammable. Incompatible with strong oxidizing agents.</i>	
			<i>Major Application Fuel cells, detecting microorganisms, antibacterial agent, treatment of acute and chronic hepatitis, gynecopathy, cardiovascular diseases, cerebrovascular diseases</i>	
			<i>Packaging: 100grams/1 bottle</i>	
7	box	4	3 layer Non-woven surgical face mask, at least 50 pcs. per box	
8	pc	30	50 ml Type 1, class A borosilicate glass Beaker	



9	btl	1	<b>5M NaCl, 250 ml</b>
			<i>biotechnology grade;</i>
10	gal	7	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>
11	btl	2	<b>Acetic Acid</b>
			<i>Grade: ACS grade</i>
			<i>CAS: 64-19-7</i>
			<i>Pack Size: 500 mL</i>
			<i>Form: Liquid</i>
			<i>Molar Mass: 60.05 g/mol</i>
			<i>Pack Type: Natural Poly bottle</i>
			<i>Glacial: 99 - 100 %</i>
12	gal	3	<b>Acetone</b>
			■ <i>Acetone, Technical Grade</i>
			■ <i>1gal</i>
13	unit	1	<b>Advanced Operator Panel (AOP) for a Variable Speed Controller</b>
			<i>Input: 200-240V + 10% - 10% 1Diameter AC 35.5A; 47 - 63 Hz</i>
			<i>Output: 0-INPUT V 3diameter AC; 13.6A; 0-650 Hz</i>
			<i>Motor: 3kW</i>
			<i>Tem range: -10 to +50deg celsius</i>
			<i>Duty Class II</i>
			<i>Weight: 4.7kg/10.3lbs'</i>
			<i>Line filter Class A</i>
14	kg	2	<b>Agar Agar</b>
15	btl	1	<b>Agarose, molbio grade, 100g/bot</b>
16	gal	5	<b>Alcohol, Denatured</b>
17	liter	5	<b>Alcohol, Ethyl, 95% (Tech)</b>
18	pc	1	<b>All American Pressure Canner/ Steam Sterilizer (Non Electric)</b>
			<i>For a 27.9 Qt Inner Capacity Container Sterilizer:</i>
			<i>Capacity - (27.9 Qt Inner Container Capacity)</i>
			<i>Overall Height - 19 inches</i>
			<i>Bottom Height - 14 1/4 inches</i>
			<i>Inside Diameter - 15 1/4 inches</i>
			<i>For a 28 Qt Inner Capacity Container Sterilizer:</i>
			<i>Inside Depth - 10 1/2 inches</i>
			<i>Inside Diameter - 14 inches</i>
			<i>Circumference - 44 1/2 inches</i>
			<i>Capacity - 28 Quarts</i>
			<i>Made in the U.S.A.</i>
			<i>For a 25 Qt Inner Capacity Sterilizer:</i>
			<i>Includes 2 cooking/canning racks and instruction &amp; recipe book</i>
			<i>Capacity - 25 Quarts (Liquid), 19 Pint Jars, 7 Quart Jars</i>
			<i>Inside diameter - 12 5/8 inches</i>
			<i>Inside Height - 11 7/8 inches</i>



			Overall Height - 16 3/4 inches
			*Jar capacities are based on round regular mouth standard Mason jar sizes.
			Made in the U.S.A.
			Professional quality, extra heavy duty cast aluminum construction throughout
			for fast & even heating
			☐ Stay-cool bakelite top handle
			☐ Geared steam gauge
			☐ Equipped with 2 automatic venting features which provide an extra margin of
			safety (the safety control valve & overpressure plug)
			☐ Pressure regulator weight with settings of 5, 10 and 15 psi
			☐ Smooth, easy to clean satin finish
			☐ Double thickness edges for additional protection on points of heaviest wear
19	btl	5	<b>Amber Glass Bottles with Dropper (100ml)</b>
20	pack	2	<b>Amber Injection Glass Vials with cover, 2mL</b>
			Screw top vial, 2 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC Sampler
			Pack of 100 vials
21	kg	2	<b>Ammonium Nitrate</b>
			☐ AR grade; at least 98% purity
			☐ Molecular Wt. 80.043 grams per mol.
			☐ 1kg/pack
22	btl	1	<b>Ammonium Phosphate Dibasic</b>
			☐ Analytical Grade
			☐ 500 G bottle
23	btl	1	<b>a-Naphthalene Acetic Acid (NAA), extra pure, 100g</b>
			☐ >100 g in poly bottle
			☐ >suitable for plant cell culture
			☐ >BioReagent, ≥95%, crystalline
24	btl	1	<b>Anhydrous Sodium Sulfate, AR</b>
			Analytical grade
			Anhydrous
			Powder form
			Size: 500g per bottle
25	btl	2	<b>Ascorbic acid</b>
			☐ Analytical reagent grade, crystalline powder, 25 g/bottle
26	set	1	<b>Benchtop Multiparameter Meter</b>
			Inclusions
			1 Meter
			1 Glass pH Electrode with built-in temp sensor
			1 Conductivity Electrode with built-in temp sensor



			<i>Meter Accessory set</i>
			<i>Buffer solutions (4, 7, 10) 250 mL each bottle</i>
			<i>3.33 M KCl reference electrolyte (250 mL)</i>
			<i>Conductivity Standard Solutions (84 <math>\mu</math>S/cm, 1413 <math>\mu</math>S/cm, 12.88 mS/cm, 111.8 mS/cm) 250 mL each bottle</i>
			<i>Delivery and Installation</i>
			<i>1 Free PM and Calibration 1 year after the installation</i>
			<i>Meter Specifications</i>
			<i>Meter must be dual channel and able to do simultaneous measurements</i>
			<i>1 channel must be able to measure either pH, Ion, mV, and ORP</i>
			<i>1 channel must be able to measure either conductivity, salinity, resistivity, and TDS</i>
			<i>Both channels must display temperature data</i>
			<i>Meter display must be colored screen to distinguish between parameters</i>
			<i>Meter display must be touchscreen (or no buttons) and waterproof or chemical-resistant to prevent moisture and chemical damage during analysis</i>
			<i>Meter display must be covered with a glass panel and protection cover</i>
			<i>Meter must have an automatic calibration function and automatic buffer recognition</i>
			<i>Meter software must include electrode status</i>
			<i>Power Requirement of the equipment is 220V.</i>
			<i>pH specifications</i>
			<i>Measurement must be through glass electrode method</i>
			<i>Measurement range must have a wider range than pH 0.000– 14.000</i>
			<i>Resolution must be up to 0.001 pH</i>
			<i>Accuracy must be <math>\pm</math>0.001 pH</i>
			<i>pH calibration must be up to 5 points</i>
			<i>ORP specifications</i>
			<i>ORP range must at least be <math>\pm</math>1999.9 mV</i>
			<i>Resolution must be up to 0.1 mV</i>
			<i>Accuracy must be up to 0.2 mV</i>
			<i>Conductivity or EC Specifications</i>
			<i>0.000 <math>\mu</math>S/cm to 1.999 S/cm</i>
			<i>Cell constant, k must be either 0.1, 1.0, and 10.0</i>
			<i>Resolution must be at least 0.5% of full scale</i>
			<i>Accuracy must be at least <math>\pm</math>0.5% of full scale</i>
			<i>Calibration must be settable to manual or automatic.</i>
			<i>Calibration must be up to 4 points</i>
			<i>Salinity Specifications</i>
			<i>Range must be at least 0.00 to 80.00 ppt</i>
			<i>Resolution must be up to 0.01 ppt</i>
			<i>Temperature Specifications</i>





			<i>Range must be at least -30.0 ° C to 130.0 ° C</i>
			<i>Resolution must be up to 0.1 ° C</i>
<b>27</b>	<b>btl</b>	<b>3</b>	<b>Benedict's Solution 1000mL</b>
			<i>Technical Reagent Grade 1000mL per bottle;</i>
<b>28</b>	<b>btl</b>	<b>3</b>	<b>Benzene, 2.5 L</b>
<b>29</b>	<b>btl</b>	<b>1</b>	<b>Benzoic Acid</b>
			<i>Benzoic Acid TabletPack size: 500g</i>
<b>30</b>	<b>btl</b>	<b>1</b>	<b>Buffer Solution pH 10, 500 mL</b>
<b>31</b>	<b>btl</b>	<b>1</b>	<b>Cadmium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity)</i>
			<i>Clear</i>
			<i>Appearance (Colour)</i>
			<i>Colourless</i>
			<i>Appearance (Form)</i>
			<i>Liquid</i>
			<i>Concentration (Cd)</i>
			<i>1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage</i>
			<i>Room Temperature</i>
			<i>Shelf Life</i>
			<i>36 Months</i>
			<i>IMDG Identification</i>
			<i>UN No.:3264 , IMCO Class No.:8 , Packing Group:III</i>
			<i>PACK SIZE: 250mL / bottle</i>
<b>32</b>	<b>btl</b>	<b>1</b>	<b>Calcium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Ca) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250ml</i>
<b>33</b>	<b>kg</b>	<b>1</b>	<b>Calcium Carbide</b>
			<i>Calcium carbide (pieces, thickness &lt;10 mm , typically, technical grade, ~80%)</i>
<b>34</b>	<b>btl</b>	<b>3</b>	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>
			<i>dihydrate</i>
			<i>1.5-2.5mm</i>
			<i>Molecular Weight: 246.47</i>
			<i>500grams</i>
<b>35</b>	<b>btl</b>	<b>1</b>	<b>Calcium chloride, anhydrous, powder, ≥97%, 100g</b>
<b>36</b>	<b>kg</b>	<b>1</b>	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime</b>



			<b>powder</b>
			<i>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</i>
37	btl	2	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>
38	btl	2	<b>Carbon Tetrachloride</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
39	pc	2	<b>Case Cover GARMIN Oregon 650T</b>
			<i>Case Cover GARMIN Oregon650T Front Frame With Button Handheld</i>
40	pack	1	<b>Casein</b>
			<i>Food grade casein</i>
			<i>1kg/pack</i>
41	pack	1	<b>Centrifuge tube, 50 ml, sterile</b>
			<i>polypropylene, free standing, flat screw cap, 25 pcs/pack</i>
42	pack	1	<b>Centrifuge tubes, 15 ml, sterile</b>
			<i>polypropylene, flat screw cap, 25 pcs/pack</i>
43	btl	1	<b>Chloroform 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
44	btl	1	<b>Chromium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Blue</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Cr) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack size 250mL</i>
45	btl	1	<b>Cobalt AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Light pink</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Co) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250mL</i>
46	btl	1	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>
47	pc	10	<b>Condom or Rubber Sheath</b>
			<i>material: Latex rubber</i>
48	btl	1	<b>Copper AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Blue</i>



			<i>Appearance (Form)</i>	<i>Liquid</i>
			<i>Concentration (Cu) mg/Ltr</i>	<i>1000 ± 50</i>
			<i>General Information</i>	
			<i>Storage</i>	<i>Room Temperature</i>
			<i>Shelf Life</i>	<i>36 Months</i>
			<i>Pack Size</i>	<i>250mL</i>
<b>49</b>	<b>btl</b>	<b>1</b>	<b>Copper Acetate, Monohydrate</b>	
			<i>AR, 500 grams</i>	
<b>50</b>	<b>btl</b>	<b>1</b>	<b>Cyclohexene</b>	
			<i>Analytical Reagent Grade 2.5L per bottle</i>	
<b>51</b>	<b>btl</b>	<b>1</b>	<b>Cysteine</b>	
			<i>analytical reagent grade 25g per bottle</i>	
<b>52</b>	<b>btl</b>	<b>1</b>	<b>D-(+)-Glucose</b>	
			<i>D-(+)-Glucose- Dextrose</i>	
			<i>≥99.5% (GC)</i>	
			<i>application(s): cell culture   embryo: suitable</i>	
			<i>powder form</i>	
			<i>G6152-1KG</i>	
<b>53</b>	<b>btl</b>	<b>1</b>	<b>D-(+)-Maltose monohydrate, AR</b>	
			<i>Analytical Standard</i>	
			<i>HPLC suitable</i>	
			<i>Size: 500 mg per bottle</i>	
<b>54</b>	<b>pc</b>	<b>1</b>	<b>Dehumidifier for Extra Large Rooms and Basements</b>	
			<i>Includes: Washable Filter, Built-in Handles and Wheels, Drain Hose Outlet</i>	
			<i>Weight: at most 40 lbs</i>	
			<i>Rated Current: 4.7 Amps</i>	
			<i>Moisture Removal: 70 pints per day</i>	
			<i>Air CFM Range (cubic feet per minute): 165 (Normal) to 188 (Turbo)</i>	
			<i>Removable Water Tank Capacity: at least 1.6 gallons / 6 liters</i>	
			<i>Certifications: UL &amp; Energy Star rated</i>	
			<i>Features: Touch Control Panel; Auto Restart, Shut Off, Defrost; Turbo Mode; Continuous Dehumidifying; 24-hour Timer; Custom Humidity Level from 35% to 85%</i>	
			<i>Spaces between 2500 and 4000 square feet, with room temp from 41°F to 95°F</i>	
			<i>Power: 220/240V</i>	
<b>55</b>	<b>gal</b>	<b>2</b>	<b>Deionized water (food grade)</b>	
<b>56</b>	<b>pack</b>	<b>4</b>	<b>Delicate Task Wiper</b>	
			<i>4.4 x 8.4 inches</i>	
			<i>Low lint and low extractable</i>	
			<i>Absorbs 18 percent more water than other private label wipers</i>	
			<i>Absorbs water 24 percent faster than other private label wipers</i>	



			<i>One at a time dispensing</i>
			<i>Won't scratch delicate surfaces when wet</i>
<b>57</b>	<b>pc</b>	<b>2</b>	<b>Dessicator, Glass</b>
			☑ <i>Dessicator, Glass, 300mm (12")</i>
<b>58</b>	<b>btl</b>	<b>2</b>	<b>Dichloromethane</b>
			<i>Analytical reagent grade, 2.5L/bottle</i>
<b>59</b>	<b>pc</b>	<b>1</b>	<b>Digital Grain Moisture meter</b>
			<i>Application: Paddy Brown Rice, Polished Rice, Barley, Wheat, Naked Barley</i>
			<i>Measuring Range: Paddy, Baron Rice, Polished Rice: 10-40%</i>
			<i>Barley Wheat, Naked Barley: 10-35%</i>
			<i>Accuracy: +-0.5% (10%-20%)</i>
			<i>Temperature range of Material: 0 to 40 degree Celsius</i>
			<i>Display Method: Digital Display by L.C.D</i>
			<i>TEMPERATURE Compensation: Automatic Compensation</i>
			<i>Exchange method: Direct indication of exchange figure automatically</i>
			<i>Power Source: Dry Battery 1.5 V(R6) X4pcs.</i>
			<i>Dimensions (main body): W175XH72XD100(mm)</i>
			<i>Weight: 480g</i>
			<i>Accessories: Sample saucerx2 , Hullerx1, Brushx1, Pincettex1, Spoonx1, Casex1, Manualx1</i>
<b>60</b>	<b>pc</b>	<b>1</b>	<b>Digital Weighing Scale</b>
			<i>Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display</i>
			<i>-Water resistant</i>
			<i>-FREE adaptor included!High precision strain gauge technology</i>
			<i>Rapid price amount computing</i>
			<i>Red LED display</i>
			<i>Tare / Zero / Add-up / Total display / Clear total</i>
			<i>Dual-display: weight, unit price, amount</i>
			<i>Framework structure with pressure-limit protection</i>
			<i>Overload and low voltage indication</i>
			<i>AC/DC charging with built-in rechargeable battery</i>
			<i>Automatic energy saving mode</i>
			<i>Five different unit price memories</i>
			<i>Automatic temperature compensationAvailable in 10, 15 and 30kgs</i>
			<i>Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability,</i>



			power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display
			-Water resistant
			-FREE adaptor included!High precision strain gauge technology
			Rapid price amount computing
			Red LED display
			Tare / Zero / Add-up / Total display / Clear total
			Dual-display: weight, unit price, amount
			Framework structure with pressure-limit protection
			Overload and low voltage indication
			AC/DC charging with built-in rechargeable battery
			Automatic energy saving mode
			Five different unit price memories
			Automatic temperature compensation
<b>61</b>	<b>pc</b>	<b>1</b>	<b>Dissolved Oxygen Meter</b>
			☐Pen-type, portable, easy to carry and durable
			☐LCD display for simultaneous display of dissolved oxygen and temperature.
			☐Highly sensitive probe for fast response and accurate measurement
			☐Unit switching function, Celsius and Fahrenheit
			☐Removable probe design, easy to change measurement, equipped with three spare probe covers for intimate protection.
			☐The pen body design is compact, lightweight, easy to carry and easy to measure.
			☐Measurement Range: 0.00-20.00mg/L
			☐Basic Measurement Error: 0.4 mg/L
			☐Dissolved Oxygen Temperature Compensation: 0-40 degrees Celsius
			☐Power Supply: 4 LR44 1.5V button batteries
			☐Color: Blue And Gray
			☐Dissolved Oxygen Meter:140x40x40mm/5.5x1.6x1.6in
			☐Pen:160x13x13mm/6.3x0.5x0.5in
			☐Lead Length:2930mm/115.4in
			☐Probe Length:3090mm/121.7in
			☐Full Length:3230mm/127.2in
			☐Weight:223g/7.87oz
			☐Package Included:
			◀1 x Host
			◀3 x Probe Covers
			◀1 x USB Data Cable
			◀1 x Portable Cloth Bag
			◀1 x Color Box
			◀1 x Factory Certificate



			◀1 x Instruction Manual
			◀1 x Dissolved Oxygen Filling Solution
			◀10 x Reagent A
			◀10 x Reagent B
62	btl	2	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>
63	btl	1	<b>EMS Ethyl Methanesulfonate (C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>S) (25grams)</b>
			<i>Molecular weight - 124.2</i>
			<i>Molarity - 9.7 (neat liquid)</i>
			<i>Density - 1.202 g/ml (20 °C)</i>
			<i>99% purity</i>
64	btl	3	<b>Ethanol</b>
			<i>AR grade, 2.5L, at least 95% v/v</i>
65	btl	1	<b>Ethanol Absolute</b>
			<i>2.5 Liters/ bottle;</i>
66	btl	1	<b>Ethanol, absolute, molbio grade, 99.9% 2.5L</b>
67	gal	1	<b>Ethanol/Ethyl Alcohol, 70%, Laboratory Grade, 3.8 L</b>
			<i>Ethanol, 70%, Laboratory Grade, 3.8 L</i>
			<i>Synonym: Ethyl alcohol</i>
			<i>Formula: CH<sub>3</sub>CH<sub>2</sub>OH</i>
			<i>Formula Wt: 46.07</i>
			<i>CAS: 64-17-5</i>
			<i>Notes: Completely denatured; green chemistry substitute for methanol</i>
68	canister	3	<b>Ethyl Alcohol (95%)</b>
			☐ <i>Container size: Plastic waterjug (20L)</i>
69	carboy	1	<b>Ethyl Alcohol, Pure 95%, atleast 20L/carboy</b>
70	box	11	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>
			☐ <i>Pore size:2.5um</i>
			☐ <i>at least 100 pcs. per box</i>
71	set	1	<b>Flowatch meter</b>
			<i>Accuracy: ±2% fluid speed; ±3% air velocity; Temperature, ±1°F (±0.2°C). Range: Fluid Speed, 0.2 to 40 mph (0.1 to 18 M/Sec) depending on impeller; Temperature, -58°F to 212°F (-50°C to 100°C). Resolution: 0.3 km/h; 0.2 mph; 0.2 knots; 0.1 M/Sec. Temperature Modes: Minimum, maximum, current temperature, wind chill factor. Operating Modes: Current, maximum and average fluid speed. Power: 2 AA Batteries (included). Dimensions: Display, 5.25" x 2.25" x 2.5"; Case, 25" x 13" x 3</i>
72	btl	1	<b>Fructose</b>
			<i>Analytical Reagent Grade, 500g per bottle;</i>
73	unit	1	<b>Garmin Oregon 650t 3-Inch Handheld GPS</b>
			<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Digital Camera</i>
			<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Features</i>



			<i>3-Inch sunlight-readable, touchscreen display with multi-touch capability</i>
			<i>Dual-band GPS/GLONASS satellite positioning</i>
			<i>Sensors (3-axis compass, accelerometer, barometric altimeter)</i>
			<i>ANT or Bluetooth technology -wirelessly share routes, tracks, waypoints, geocaches, custom maps and photos between units Dual orientation - auto switching between landscape or portrait views</i>
			<i>Dual battery system -2 AA batteries or NiMH battery pack charged by the Oregon (battery pack included with 650/650t; optional with 600/600t) 8MP autofocus camera (650, 650t only) with LED flash/torch and digital zoom</i>
			<i>About Garmin Oregon 650t 3-Inch Handheld GPS With 8MP</i>
			<i>From the moment you cradle the 650t in your hand, you're ready to enter into a bold new world of Garmin GPS mapping and positioning. With high-sensitivity GPS and GLONASS satellite tracking (more satellites mean faster fixes, even in challenging environments), preloaded TOPO U.S. 100K maps, worldwide basemap with shaded relief and a faster processor, you don't just look at maps, you interact with them. Zoom in, pan out and rotate using multi-touch. The touchscreen even is compatible with many gloves. The reflective display technology boosts touchscreen brightness so much that maps and displays are as vivid in full bright sunlight as they are in shade. And, mark memories with an 8 megapixel autofocus camera with digital zoom and automatic flash/torch, plus customizable buttons for 1-touch image capture and waypoint marking. Quality Photos Now you don't have to take an additional camera with you to take quality photos. Oregon 650t's built in 8 megapixel autofocus digit</i>
<b>74</b>	<b>tube</b>	<b>1</b>	<b>GelRed Nucleic Acid Gel Stain</b>
			<i>Volume: 5 ml/tube</i>
			<i>Catalog No.: 41003 or 41003-1</i>
			<i>Assay type: DNA/RNA gel staining</i>
			<i>1. GelRed is a fluorescent nucleic acid stain designed to replace the highly toxic ethidium bromide (EtBr) for staining dsDNA, ssDNA or RNA in agarose gels or polyacrylamide gels.</i>
			<i>2. It is also compatible with downstream DNA manipulations such as restriction digest, sequencing, and cloning.</i>
			<i>3. Easy disposal: Passed environmental safety tests for direct disposal down the drain or in regular trash</i>
			<i>4. Ultra-sensitive: Much more sensitive than EtBr and SYBR® Safe</i>



			5. Extremely stable: Available in water, stable at room temperature for long-term storage and microwavable
			6. Simple to use: Very simple procedures for precast or post-electrophoresis gel staining
			7. Compatible with a standard UV transilluminator : Replaces EtBr with no optical setting change
			8. Compatible with downstream applications : Compatible with gel purification, restriction digest, sequencing and cloning.
			9. Each tube contains 0.5ml.
<b>75</b>	<b>pc</b>	<b>25</b>	<b>Geology Folding hand lens magnifier</b>
			Magnification: 30x-21mm magnifier
			Material: Stainless steel handle
			Foldable
			Good quality
<b>76</b>	<b>btl</b>	<b>5</b>	<b>Glacial Acetic Acid, Analytical Standard</b>
			Certified analytical standard
			HPLC and GC suitable
			Size: 2.5L per bottle
<b>77</b>	<b>box</b>	<b>2</b>	<b>Gloves, Nitrile, Large</b>
			☐Glove Type: Chemical Resistant Disposable Gloves
			☐Glove Material: Nitrile
			☐Powder-Free
			☐1 box of 100 or 50 pairs
			☐Food Safe
			☐Size: large
<b>78</b>	<b>btl</b>	<b>1</b>	<b>Glycine</b>
			☐Molecular biology, ≥99.0% assay quality
			☐Suitable for protein analysis, SDS-PAGE and Western blot
			☐DNases and Rnases free
			☐Phosphatases and proteases free
			☐Crystalline form
			☐Bottle of at least 500g
<b>79</b>	<b>pc</b>	<b>4</b>	<b>good quality Scalpel Handle #3</b>
			stainless steel scalpel handle is used with scalpel blade # 11
			It has a curved cutting edge and a flat, notched back for a more secure hold
			It is used for plant tissue culture
			Good quality
<b>80</b>	<b>pc</b>	<b>1</b>	<b>GPS Garmin eTrex 10</b>
			Release Date in Philippines
			Model eTrex 10
			Date Oct 2011
			Display
			Display diagonal 5.59 cm (2.2")
			Touchscreen No





			<p>Widescreen No          Display resolution 128 x 160 pixels          Display size (HxV) (imperial) 43.2 x 35.6 mm (1.7 x 1.4")          Weight &amp; dimensions          Weight 141.7 g          Width 54 mm          Depth 33 mm          Height 103 mm          Power          Battery technology Nickel-Metal Hydride (NiMH)          Battery type AA          Battery life (max) 25 h          Number of batteries supported 2          Network          Bluetooth No          Navigation          Traffic Message Channel (TMC) No          Live service No          Waypoints Yes          Number of waypoints 1000          Routes quantity 50          Barometric altimeter No          Tracks quantity 100          Tracklog Yes          Electronic compass No          Photo navigation No          Area calculation Yes          Automatic routing No          GPS type          Marine (chartplotters, sounders) No          Sport (fitness, running) No          Outdoor (hiking, trekking) Yes          Geocaching (GPS stash hunt) Yes          Auto No          Aviation No          Design          Form factor Handheld          Water-resistant Yes          Performance          Built-in camera No          Image viewer No          Unit-to-unit transfer No          Sun &amp; moon information Yes          Hunt/fish calendar Yes          Tide tables Yes</p>
81	btl	2	<b>Hexane 2.5L</b>
			Analytical Reagent Grade 2.5L per bottle;
82	pc	4	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			6 inches; 0.01-0.025 mm accuracy;



83	btl	1	<b>Histidine</b>
			<i>Analytical Reagent Grade 25g per bottle;</i>
84	pc	4	<b>Holder scalpel # 4</b>
			<i>stainless steel scalpel handle is used with scalpel blade # 22</i>
			<i>It has a curved cutting edge and a flat, notched back for a more secure hold</i>
			<i>It is used for plant tissue culture</i>
			<i>Good quality</i>
85	btl	5	<b>Hydrochloric acid, HCl</b>
			<i>Analytical reagent grade, concentrated, 2.5L/bottle;</i>
86	btl	1	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>
87	unit	2	<b>Inspection Dissecting Trinocular Zoom Stereo Microscope</b>
			<i>Microscope + 144-LED Light</i>
			<i>7X-45X Super widefield zoom magnification power with crystal clear images</i>
			<i>1-1/4" (33mm) super widefield view and 4" (100mm) working distance</i>
			<i>144-LED ring light with a compact design and dimmer</i>
			<i>Sturdy all-metal pillar stand</i>
			<i>The trinocular port uses the third port for the camera capabilities, giving you the remaining two ports to view your specimen</i>
			<i>This is a trinocular stereo microscope with a 144-LED compact ring light with a built-in dimmer. The microscope has a super widefield optical system that provides a large zoom magnification power (6.5:1) and a large working distance (4", 100mm). The trinocular port uses the third port for camera capabilities, or a third party to view as well, giving you the remaining two ports to view your specimen. The 144-LED ring light has a compact design with a built-in dimmer, providing cool, even and bright LED illumination. This microscopy system is an ideal instrument for manufacturing engineers, lab technicians, gemologists, circuit board inspectors, and anyone in electronic and semiconductor industries. It is also the right microscope for biological laboratory applications that require low heat release.</i>
			<i>Features:</i>
			<i>A perfect stereo inspection microscope with a 144-LED compact ring light and built-in dimmer</i>
			<i>Variable, cool, even and bright 144-LED ring illumination</i>
			<i>7X-45X super wide zoom magnification power</i>
			<i>4" (100mm) extremely large working distance</i>
			<i>High resolution with great flatness and contrast, giving sharp and clear images</i>
			<i>Trinocular head with 45-degree inclined 360-degree</i>



			swiveling eye tubes
			The trinocular port enables the easy use of camera capabilities
			30mm super widefield high-eyepoint eyepieces with 20 mm field of view
			Sharp stereo erect images with a wide field of view
			Crystal clear, original true color microscope images
			Dual eye tubes with adjustable diopters
			Sturdy all-metal table stand
			Accurate alignment reduces eye strain for longer periods of viewing
			Full optical glass elements
			Precise ground glass lenses
			Full metal chrome-plated mechanical components
			Adjustable interpupillary distance
			Rubber eyeguards included
			Manufactured under ISO 9001 quality control standard
			Five (5) year manufacturer warranty for microscope
			Specifications:
			Head: 360 degree rotatable 45 degree inclined trinocular
			Eyepiece: 30mm super widefield high-eyepoint WH10X/20MM
			Zoom Range: 0.7X-4.5X
			Diopter Adjustment: +/- 5dp
			Interpupillary Distance: 2-3/16" - 2-15/16"(55-75mm)
			Working Distance: 4" (100mm)
			Widefield View: 1-1/4" (33mm) super widefield
			Illumination: 144-LED compact ring light
			Power Input: 110-240V, 50-60HZ, automatic switching
			Stand: 10" x 7-7/8" x 10.75" (254 x 200 x 275mm)
			Round Plate: 3-3/4" (95mm) in diameter
			Accessories: a pair of eye-guards
			Packing List:
			One Trinocular Stereo Zoom Head
			One Pair of Super Widefield 10X Eyepieces
			One 144-LED Compact Ring Light
			One Pillar Table Stand
			One Focusing Rack
			One Round Plastic Plate
			One Pair of Eye-Guards
			One Pair of Clips
			One Dust Cover
			User's Manual Download
88	btl	4	<b>Iodine crystals</b>
			Analytical Grade resublimed, 500g per bottle;
89	btl	1	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>



90	btl	1	<b>Iron AAS Standard Solution in 0.5N HNO<sub>3</sub></b>
			<i>Specifications</i>
			<i>Appearance (Clarity)</i> Clear
			<i>Appearance (Colour)</i> Colourless
			<i>Appearance (Form)</i> Liquid
			<i>Concentration (Fe)</i> 1000 ± 50 mg/Ltr
			<i>General Information</i>
			<i>Storage</i> Room Temperature
			<i>Shelf Life</i> 36 Months
			<i>Pack Size</i> 250ml
91	btl	1	<b>Isopropanol</b>
			<i>Molecular grade/DNA Extraction</i>
			<i>In 2.5 L Amber bottle</i>
92	pack	1	<b>Laboratory Weighing Boats</b>
			☐ Plastic, 100 mL
			☐ at least 100 pcs. pack
93	btl	1	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>
			☐ Suitable for manual, ultrasonic, and machine washing
			☐ Completely biodegradable
			☐ Free of phosphate, chlorine, enzyme, and EDTA
			☐ Contains anionic and cationic surfactants
			☐ 5 liters per bottle
94	btl	1	<b>Lactose</b>
			<i>AR. 500 grams;</i>
95	btl	1	<b>L-Alanine</b>
			<i>Specification</i>
			<i>Packaging:</i> 25 grams/ bottle
			<i>Melting point:</i> 314.5 °C
			<i>alpha</i> 14.5 ° (c=10,6N HCl,dry sub.)
			<i>Boiling point:</i> 212.9±23.0 °C(Predicted)
			<i>Density</i> 1,432 g/cm <sup>3</sup>
			<i>refractive index</i> 1.4650 (estimate)
			<i>FEMA</i> 3818   DL-ALANINE
			<i>storage temp.</i> 2-8°C
			<i>solubility</i> H <sub>2</sub> O: 100 mg/mL
			<i>form</i> powder
			<i>pka</i> 2.34(at 25°C)
			<i>color</i> White to almost white
			<i>PH</i> 5.5-6.5 (100g/l, H <sub>2</sub> O, 20 °C)
			<i>Odor</i> odorless
			<i>Odor Type</i> odorless
			<i>optical activity</i> [α] <sub>20/D</sub> +14.0±1°, c = 5% in 5 M HCl
			<i>Water Solubility</i> 166.5 g/L (25 °C)
			<i>λ<sub>max</sub></i> λ: 260 nm A <sub>max</sub> : ≤0.03
			λ: 280 nm A <sub>max</sub> : ≤0.02
			<i>Stability:</i> Stable. Incompatible with strong oxidizing agents.



			Packaging : 25grams/ bottle
<b>96</b>	<b>btl</b>	<b>1</b>	<b>Lead AAS Standard Solution</b>
			Specifications
			Appearance (Clarity) Clear
			Appearance (Colour) Colourless
			Appearance (Form) Liquid
			Concentration (Pb) 1000 ± 50 mg/Ltr
			General Information
			Storage Room Temperature
			Shelf Life 36 Months
			Pack Size 250mL
<b>97</b>	<b>btl</b>	<b>1</b>	<b>Lead Acetate</b>
			Specifications:
			Melting point: 75 °C (dec.)(lit.)
			Boiling point: decomposes at >280 °C [KIR78]
			Density 3.3 g/cm <sup>3</sup>
			vapor pressure 15.7hPa at 25 °C
			storage temp. 2-8°C
			solubility DMSO (Slightly), Methanol (Slightly)
			form powder
			color Clear colorless
			Water Solubility g/100g H <sub>2</sub> O: 19.7 (0°C), 55.2 (25°C); equilibrium solid phase, Pb(CH <sub>3</sub> COO) <sub>2</sub> ·3H <sub>2</sub> O [KRU93]; g/100mL H <sub>2</sub> O: 44.3 (20°C), 221 (50°C) [KIR78]
			λ <sub>max</sub> 260nm(H <sub>2</sub> O)(lit.)
			Solubility Product Constant (K <sub>sp</sub> ) pK <sub>sp</sub> : 2.75
			Packaging: 5g/1 bottle
<b>98</b>	<b>btl</b>	<b>1</b>	<b>Linoleic Acid</b>
			Specification
			Packaging: 5mL/ bottle
			Grade: analytical grade
			Melting point: -5 °C (lit.)
			Boiling point: 229-230 °C/16 mmHg (lit.)
			Density 0.902 g/mL at 25 °C (lit.)
			refractive index n <sub>20/D</sub> 1.466(lit.)
			FEMA 3380   9,12-OCTADECADIENOIC ACID (48%) AND 9,12,15-OCTADECATRIENOIC ACID (52%)
			Flash point: >230 °F
			storage temp. Store below +30°C.
			solubility NaOH: soluble1M
			pka 4.77(at 25 °C)
			form liquid
			color Clear yellow
			Odor faint fatty



			<i>Water Solubility</i> <i>INSOLUBLE</i>
			<i>FreezingPoint</i> <i>-5 °C</i>
			<i>Sensitive</i> <i>Air Sensitive</i>
			<i>λmax</i> <i>270nm(H<sub>2</sub>O)(lit.)</i>
			<i>Dielectric constant</i> <i>2.6 (0 °C)</i>
			<i>Stability:</i> <i>Stable, but air and light sensitive. Combustible. Incompatible with strong oxidizing agents.</i>
			<i>Analytical Standard</i>
<b>99</b>	<b>Vial</b>	<b>2</b>	<b>Litmus Paper (Blue)</b>
			<i>Blue Litmus Test Paper</i>
			<i>Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH &lt;7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower.</i>
			<i>Strip Quantity: 100 strips</i>
			<i>Other: Additional sheet sizes available upon request</i>
			<i>Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]</i>
			<i>Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]</i>
			<i>Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)</i>
			<i>Weight: 0.02 lbs [9 g] (single vial)</i>
			<i>Other: Stored in a pocket-sized, lightweight vial.</i>
			<i>Shelf-Life: 3 Years Minimum</i>
<b>100</b>	<b>Vial</b>	<b>1</b>	<b>Loading Dye for Electrophoresis</b>
			<i>Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL</i>
<b>101</b>	<b>btl</b>	<b>1</b>	<b>Magnesium chloride, MgCl<sub>2</sub></b>
			■ <i>1kg per bottle</i>
			■ <i>colorless crystalline solid</i>
			■ <i>Properties:</i>
			◀ <i>Quality Level: 300</i>
			◀ <i>Grade: anhydrous</i>
			◀ <i>Assay: ≥98%</i>
			◀ <i>Form: powder</i>
			◀ <i>Impurities: ≤0.5% Insolubles</i>
			◀ <i>bp: 1412 °C/1 atm (lit.)</i>



			◀mp: 714 °C (lit.)
			◀Density: 2.32 g/mL at 25 °C (lit.)
102	btl	1	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			☐1kg per bottle
			☐colorless crystalline solid
			☐Properties:
			◀Quality Level: 300
			◀Grade: anhydrous
			◀Assay: ≥98%
			◀Form: powder
			◀Impurities: ≤0.5% Insolubles
			◀bp: 1412 °C/1 atm (lit.)
			◀mp: 714 °C (lit.)
			◀Density: 2.32 g/mL at 25 °C (lit.)
103	btl	1	<b>Manganese AAS Standard Solution</b>
			Specifications
			Appearance (Clarity) <span style="float: right;">Clear</span>
			Appearance (Colour) <span style="float: right;">Colourless</span>
			Appearance (Form) <span style="float: right;">Liquid</span>
			Concentration (Mn) <span style="float: right;">1000 ± 50 mg/Ltr</span>
			General Information
			Storage
			Room Temperature
			Shelf Life
			36 Months
			Pack Size: <span style="float: right;">250ml</span>
104	roll	15	<b>Masking tape, autoclavable, for laboratory use</b>
			1" wide x 55m length;
105	btl	3	<b>Microcapillary tube</b>
			diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes
106	pc	5	<b>Microscope Slide Box</b>
			capacity: holds up to 25 microscope slides
			dimension:9.4cm*8.2cm*3.2cm
			weight:56g
			material: plastic
			color: white
107	pc	2	<b>Mini Light Meter</b>
			200,000 LUX Digital Luxmeter Luminance Lux Fc Test
			Max-Min Illuminometers
			Illuminance Measurement: 0 to 199,900
			Lux 0 to 18,500 Fc
			Battery: 3x 1.5V (AAA)
			Power: 0.45W
			Handheld



			<i>Data Hold</i>	
			<i>LCD Backlight</i>	
			<i>Auto power off</i>	
			<i>Overload and low battery indicator</i>	
<b>108</b>	<b>unit</b>	<b>1</b>	<b>Mortar and Pestle, Heavy Duty</b>	
			☐Mortars with spout	
			☐Material: Porcelain for both mortar and pestle	
			☐Inside grinding surface unglazed	
			☐Capacity: 145 mL, 90 x 70 mm	
			☐Heat and cold resistant	
<b>109</b>	<b>pc</b>	<b>1</b>	<b>Munsell Soil Color Charts</b>	
<b>110</b>	<b>btl</b>	<b>1</b>	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>	
<b>111</b>	<b>btl</b>	<b>1</b>	<b>Nickel AAS Standard Solution</b>	
			<i>Specifications</i>	
			<i>Appearance (Clarity)</i>	<i>Clear</i>
			<i>Appearance (Colour)</i>	<i>Light blue</i>
			<i>Appearance (Form)</i>	<i>Liquid</i>
			<i>Concentration (Ni)</i>	<i>1000 ± 50 mg/Ltr</i>
			<i>General Information</i>	
			<i>Storage</i>	<i>Room Temperature</i>
			<i>Shelf Life</i>	<i>36 Months</i>
			<i>Pack Size</i>	<i>250mL</i>
<b>112</b>	<b>btl</b>	<b>2</b>	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g</b>	
			☐CAS 485-47-2	
			☐White solid	
			☐50g	
			☐Analytical Grade	
<b>113</b>	<b>btl</b>	<b>1</b>	<b>Oleic Acid</b>	
			<i>Packing: 25mL/ 1 bottle</i>	
			<i>Grade: Analytical Grade</i>	
			<i>Melting point :13-14 °C(lit.)</i>	
			<i>Boiling point :360 °C</i>	
			<i>Density :0.89 g/mL at 25 °C(lit.)</i>	
			<i>vapor density :1.03 (vs air)</i>	
			<i>vapor pressure :52 mm Hg ( 37 °C)</i>	
			<i>refractive index :n20/D 1.377</i>	
			<i>FEMA :2815   OLEIC ACID</i>	
			<i>Flash point :133 °F</i>	
			<i>storage temp. :-20°C</i>	
			<i>solubility :Miscible with ethanol, ether, acetone, chloroform, dimethyl formamide and dimethyl sulfoxide.</i>	
			<i>form :Liquid</i>	
			<i>pka :pKa 5.35(H2O,t =25) (Uncertain)</i>	
			<i>Specific Gravity :0.892 (20/4 °C)</i>	
			<i>color :Colorless to pale yellow</i>	
			<i>Odor :Peculiar Lard-Like</i>	





			<i>Odor Type :fatty</i>
			<i>Water Solubility :negligible</i>
			<i>Sensitive :Air Sensitive</i>
			<i>Hydrophilic-Lipophilic Balance (HLB) :1</i>
			<i>Dielectric constant :2.5 (20 °C)</i>
			<i>Stability :Stable. Combustible. Incompatible with strong oxidizing agents, aluminium.</i>
			<i>Technical grade, 90%</i>
<b>114</b>	<b>pc</b>	<b>50</b>	<b>Pasteur pipette</b>
			<i>Specifications</i>
			<i>230mm Overall Length, 108mm Tip Length, 120 mm Body Length,</i>
			<i>Type 1 Clear Glass</i>
			<i>Non-sterile</i>
			<i>Max dispensing volume : 2mL</i>
			<i>No graduations</i>
<b>115</b>	<b>gal</b>	<b>1</b>	<b>Petroleum Ether, AR</b>
<b>116</b>	<b>pc</b>	<b>1</b>	<b>pH Meter pen type</b>
			<b>●0.1 pH resolution</b>
			<b>●water-resistant/proof</b>
<b>117</b>	<b>pack</b>	<b>7</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>
			<i>General description</i>
			<i>Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14</i>
			<i>pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.</i>
			<b>PROPERTIES</b>
			<i>Quality Level                    100</i>
			<i>feature                            non-bleeding: no</i>
			<i>graduations                    and                    accuracy                    measuring range                    accuracy: 1 pH unit</i>
			<i>roll L                                4.8 m , with color scale</i>
			<i>pH range                            1-14</i>
			<i>detection method                colorimetric</i>
			<i>storage temp.                    15-25°C</i>
<b>118</b>	<b>btl</b>	<b>1</b>	<b>Phloroglucinol, 100g</b>
<b>119</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips, refill, 0.1-10 uL, 1000pcs/pack, short, clear</b>
<b>120</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips, refill, 2.0-200.0 uL, 1000pcs/pack, yellow</b>



			<b>or clear</b>
<b>121</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips,refill, 100-1000 uL, 1000pcs/pack, blue or clear</b>
<b>122</b>	<b>pc</b>	<b>1</b>	<b>Portable pH Meter</b>
			<i>pH Range: -2.00 to 16.00 pH</i>
			<i>pH Resolution:0.01 pH</i>
			<i>pH Accuracy: ±0.01 pH</i>
			<i>pH Calibration: automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)</i>
			<i>mV Range: ±699.9 mV; ±1999 mV</i>
			<i>mV Resolution: 0.1 mV; 1 mV</i>
			<i>mV Accuracy: ±0.2 mV; ±1 mV</i>
			<i>Temperature Range: -20.0 to 120.0 °C, -4.0 to 248.0 °F</i>
			<i>Temperature Resolution: 0.1 °C, 0.1 °F</i>
			<i>Temperature Accuracy: ±0.4°C; ±0.8°F</i>
			<i>Temperature Compensation: manual or automatic from -20.0 to 120.0°C (-4.0 to 248.0°F)</i>
			<i>Slope Calibration: from 80 to 108% / ±1 pH</i>
			<i>pH Electrode: HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable</i>
			<i>Electrode/Probe: HI7662 stainless steel temperature probe with 1 m (3.3') cable (included)</i>
			<i>Input Impedance: 10<sup>12</sup> Ohms</i>
			<i>Battery Type / Life: 1.5V (3) AAA / approximately 200 hours of continuous use</i>
			<i>Auto-off: after 20 minutes of non-use (can be disabled)</i>
			<i>Environment: 0 to 50°C (32 to 122°F); RH max 100%</i>
			<i>Dimensions: 185 x 72 x 36 mm (7.3 x 2.8 x 1.4")</i>
			<i>Weight: 300 g (10.6 oz.)</i>
			<i>Ordering Information: Both supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet (20 mL),HI70007 pH 7.01 buffer sachet (20 mL),100 mL plastic beaker, 1.5V AAA batteries (3),instructions, and hard carrying case.</i>
<b>123</b>	<b>btl</b>	<b>1</b>	<b>Potassium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (K) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250mL</i>
<b>124</b>	<b>btl</b>	<b>1</b>	<b>Potassium antimony tartrate</b>
			<i>Analytical reagent grade, 500g/bottle;</i>
<b>125</b>	<b>btl</b>	<b>2</b>	<b>Potassium Bromide</b>



			<ul style="list-style-type: none"> <li>☐ Anhydrous</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Lab grade/ Analytical reagent grade</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Expiration date(3 years from the delivery date)</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Packed in Teflon bottles</li> </ul>
<b>126</b>	<b>btl</b>	<b>1</b>	<b>Potassium chloride (KCl) solution, 500g/btl</b>
			<ul style="list-style-type: none"> <li>☐ Anhydrous</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Lab grade/ Analytical reagent grade</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Expiration date(3 years from the delivery date)</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Packed in Teflon bottles</li> </ul>
<b>127</b>	<b>btl</b>	<b>1</b>	<b>Potassium Chloride 500g</b>
			<ul style="list-style-type: none"> <li>☐ Chemical must be plant tissue culture tested for at least 20 years</li> </ul>
			<ul style="list-style-type: none"> <li>☐ ISO complaint</li> </ul>
			<ul style="list-style-type: none"> <li>☐ ACS REAG</li> </ul>
			<ul style="list-style-type: none"> <li>☐ PH EUR</li> </ul>
			<ul style="list-style-type: none"> <li>☐ meets USP Standards</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Bioreagent suitable for cell culture</li> </ul>
<b>128</b>	<b>btl</b>	<b>2</b>	<b>Potassium Chloride, AR, 1000g</b>
<b>129</b>	<b>btl</b>	<b>2</b>	<b>Potassium iodide, KI</b>
			<ul style="list-style-type: none"> <li>☐ Analytical reagent grade, powder, 500g/bottle</li> </ul>
<b>130</b>	<b>kg</b>	<b>3</b>	<b>Potassium Nitrate</b>
			<ul style="list-style-type: none"> <li>☐ AR grade</li> </ul>
			<ul style="list-style-type: none"> <li>☐ Formula: <math>KNO_3</math></li> </ul>
			<ul style="list-style-type: none"> <li>☐ Molar wt: 101.1032 g/mo</li> </ul>
			<ul style="list-style-type: none"> <li>☐ 1kg/pack</li> </ul>
<b>131</b>	<b>btl</b>	<b>2</b>	<b>Potassium Phosphate (<math>KH_2PO_4</math>) suitable for plant cell and tissue culture</b>
			500 grams
<b>132</b>	<b>Vial</b>	<b>2</b>	<b>Red Litmus Test Paper</b>
			Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH >7).
			Strip Quantity: 100 strips
			Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]
			Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]
			Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)
			Weight: 0.02 lbs [9 g] (single vial)
			Other: Stored in a pocket-sized, lightweight vial.
			Shelf-Life: 3 Years Minimum
<b>133</b>	<b>set</b>	<b>1</b>	<b>Relative Humidity meter</b>



			<i>Product Specifications</i>
			<i>Weight 100-120 Grams (g)</i>
			<i>Usage Temperature &amp; Humidity Meter</i>
			<i>Accuracy : +-2.0%rh</i>
			<i>Product Type Humidity Meter</i>
			<i>Display Type Analog And Digital</i>
			<i>Color Black and Grey</i>
			<i>Material Stainless Steel</i>
			<i>Product Description</i>
			<i>Temperature &amp; Rh Meter</i>
			<b>TEMPERATURE / HUMIDITY TRANSMITTER</b>
			<b>ER WITH RS-485 INTERFACE (MODEL HTX-3000)</b>
			<i>Microcontroller based design.</i>
			<i>Input for T and %RH from Rotronic make Hygroclip S3</i>
			<i>Isolated 4-20mA proportional and linearized for both T and RH.</i>
			<i>MODBUS RTU serial interface.</i>
			<i>4-20mA retransmission output for both T and RH.</i>
			<i>Bright red LED display.</i>
			<i>IP 65 ABS plastic enclosure.</i>
			<i>Operates on 12 to 36VDC.</i>
<b>134</b>	<b>vial</b>	<b>1</b>	<b>RNAse A</b>
			<i>certified free of contaminating DNases, RNases, phosphatases, and nickases for improved sample security</i>
			<i>Catalog No.: PC0713-500mg</i>
			<i>Pack size: 500 mg/vial</i>
			<i>Appearance:White lyophilized powder; a chromatographically purified,lyophilized powder</i>
			<i>Molecular mass: 13.7 kDA (Amino Acid Sequence)</i>
			<i>Extinction coefficient: E 1% = 7.1% (280 nm)</i>
			<i>Isoelectric point: pl: 9.6</i>
			<i>Optimum temperature: 60°C</i>
			<i>Optimum pH: 7.5</i>
			<i>Inhibitors: Ribonuclease inhibitor</i>
			<i>Activity: (Kunitz): ≥ 60 units/mg protein</i>
<b>135</b>	<b>box</b>	<b>12</b>	<b>Scalpel Blade, box of 50's</b>
			■ <i>Stainless steel</i>
			■ <i>100 blades/box</i>
<b>136</b>	<b>pack</b>	<b>30</b>	<b>Silica Gel Desiccant</b>
			<i>* Blue Beads * 500 grams/pack;</i>
<b>137</b>	<b>btl</b>	<b>1</b>	<b>Silver Nitrate, AgNO3</b>
			<i>Analytical reagent grade, 100g/bottle;</i>
<b>138</b>	<b>set</b>	<b>1</b>	<b>Smart Dissolved Oxygen Meter</b>
			<i>Specifications:</i>
			<i>O2 Range 0.0 to 19.9 mg/l</i>
			<i>O2 Resolution 0.1 mg/l</i>



			O2 Accuracy $\pm 1.5\%$ Full scale
			Calibration manual on 2 points (zero and slope)
			Temperature Compensation automatic, from 0 to 30°C
			Probe MA840 (included)
			Environment 0 to 50°C/ 32 to 122°F; max RH 95%
			Battery-operated
139	btl	1	<b>Sodium Acetate (NaOAc)</b>
			500g/bottle
			Purity % - 99%
			Grade Standard - Lab Grade
140	btl	3	<b>Sodium Bicarbonate</b>
			☑ Sodium Bicarbonate Powder
			◀ USP Pharmaceutical Grade
			◀ CAS: 13-34799
			◀ HIGHEST QUALITY
			◀ Aluminum Free
			◀ 1-kg bottle
141	btl	1	<b>Sodium Chloride</b>
			Analytical Reagent Grade 500g per bottle
142	btl	1	<b>Sodium chlorite, technical grade 80%, 100g</b>
143	btl	7	<b>Sodium Hydroxide, AR 500G</b>
			☑ 500 g/bottle, AR, Pellets;
144	btl	5	<b>Sodium Hydroxide, Technical Grade, 1KG, Pellets</b>
			☑ Technical grade, pellets, 1 kg;
145	unit	1	<b>Soil Dispersion Mixer for Hydrometer Analysis</b>
			Motor: 1/3hp
			Revolutions per minute: 13,000, 16,000, 18,000rpm speeds
			Electrical: 220-240V/50-60Hz, 1.3Amps
			Product Dimensions: 6.5x6.75x20.5in (165x171x521mm) WxDxH
			Estimated Shipping Weight: 17.0lb (7.71kg)
146	kit	1	<b>Soil DNA extraction kit, 50 preps</b>
			isolates total DNA from diverse soil types; silica membrane technology; handling through centrifugation; sample material used: sediment, sludge, soil
			Item No.: 740780.50
			• Parameter: NucleoSpin® Soil
			• Selling unit: 50 preps
			• Kit Components: Lysis buffer SL1 (60 mL), Lysis buffer SL2 (60 mL), Lysis buffer
			SL3 (10 mL), Enhancer SX (10 mL), Binding buffer SB (60 mL),
			Wash buffer SW1 (30 mL), Wash buffer SW2 (Concentrate)* (25
			mL), Elution buffer SE** (13 mL), MN Bead Tubes Type A (50),
			NucleoSpin Inhibitor Removal Columns (red rings) (50),



			NucleoSpin Soil Columns (green rings) (50), Collection Tubes
			(2 mL) (50), Collection Tubes (2 mL, lid) (50), User manual (1)
			• Format: Mini spin columns
			• Sample: < 500 mg of soil or sediment
			• Yield: 2-10 µg
			• Elution volume: 30-100 µl
			• Binding capacity: 50 µg
			• Use: for research use only
147	kg	1	<b>stearic acid, technical grade</b>
148	pc	1	<b>Stirring Hot Plate (220-240/50-60Hz)</b>
			Temperature Range: 30°–540°C (86°–1,004°F)
			Revolutions per Minute: 50–1,500rpm
			Weight Limit: 25lb (11.3kg)
			Display: LED display
			Material: Top Plate: Ceramic
			Electrical: MA-1827: 100-120V / 50-60Hz, 12 Amps, 1,440 Watts, 1 Phase
			MA-1827F: 220-240V / 50-60Hz, 4.4 Amps, 1,056 Watts, 1 Phase
			Platform Size: 7.25 x 7.25in (184.2 x 184.2mm) WxD
			Product Dimensions: 8.2 x 14.2 x 4.1in (208.3 x 361 x 104.1mm), WxDxH
			Estimated Shipping Weight: 11.0lb (4.99kg)
149	btl	3	<b>Sucrose</b>
			Analytical Reagent Grade 500g per bottle
150	btl	4	<b>Sulfuric Acid - 95-98%</b>
			☐Free from suspended or insoluble matter
			☐Nominally 95-98% H <sub>2</sub> SO <sub>4</sub>
			☐1 bottle contains 2.5L
151	btl	2	<b>Tertiary Butyl Alcohol (TBA), Technical, 1L/btl</b>
			tert-Butanol, synthesis grade
			(CH <sub>3</sub> ) <sub>3</sub> COH
152	pc	100	<b>Test Tube, Borosilicate Glass, Rimless, 20 x 150 mm</b>
153	unit	4	<b>Thermohygrometer, Digital, Indoor, Touch Panel</b>
			Temp. Range : -20°C - 70°C (14°F-158°F)
			Temp. Acc.: ±1°C/±2°F
			Humidity Range : 20%-95%
			Humidity Acc. : ±5%
			Humidity Resolution: 0.1 °C
			10s Refresh Rate
154	pc	4	<b>Thumb Tissue Forcep for Dissection</b>
			Features:
			Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2
			teeth: 8 inches long



			<i>Thumb Tissue Forcep are used to grasp, hold, and manipulate tissue during surgical procedures. Surgical Thumb Tissue Forceps feature two blades designed to grasp tissue and come in a variety of handle styles, lengths, and jaw patterns.</i>
<b>155</b>	<b>box</b>	<b>1</b>	<b>TLC Plate, Silica Gel 60 F254, box of 25's</b>
			<i>General description</i>
			<i>25 Glass plates 20 x 20 cm</i>
			<i>Analysis Note</i>
			<i>Specific surface area (according to BET; 5-Pt.measurement): 480 - 540 m<sup>2</sup>/g</i>
			<i>Pore volume(N<sub>2</sub>-isotherm):0.74 - 0.84 ml/g</i>
			<i>d 50 (laserdiffraction, size distribution): 9.7 - 11.7 μm</i>
			<i>Layerthickness: 210 - 270 μm</i>
			<i>Deviationof layer thickness per plate: ≤ 35 μm</i>
			<i>Chromatographic testing:</i>
			<i>A) colourtest</i>
			<i>hRf-values</i>
			<i>- bleu viforganol, colour test, lipophile: 11 - 25</i>
			<i>- CeresBlack G, colour test, lipophile: 34 - 48</i>
			<i>- ceresViolet brn, colour test, lipophile: 52 - 67</i>
			<i>separationnumber (colour test, lipophile): ≥ 10.5</i>
			<i>B)Steroid test</i>
			<i>hRf-values</i>
			<i>- Hydrocortisone, steroid test: 25 - 37</i>
			<i>- Reichstein S, steroid test: 37 - 49</i>
			<i>- Methyltestosterone, steroid test: 42 - 54</i>
			<i>Typical value determined on a conditioned plate</i>
			<i>Eluent A) Toluene (45% rel. humidity)</i>
			<i>Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity)</i>
			<b>PROPERTIES</b>
			<i>Material, glass support</i>
			<i>silica gel 60 matrix</i>
			<i>Quality Level: 100</i>
			<i>feature</i>
			<i>binder Organic Polymer</i>
			<i>fluorescent indicator</i>
			<i>pkg of 25 plates</i>
			<i>thin layer chromatography (TLC): suitable</i>
			<i>layer thickness: 250 μm</i>
			<i>plate L × W: 20 cm × 20 cm</i>
			<i>particle size: 10-12 μm</i>
			<i>pore size: 60 Å medium pore diameter</i>
			<i>storage temp.: 2-30°C</i>
<b>156</b>	<b>btl</b>	<b>2</b>	<b>Toluene</b>
			☐(CAS 108-88-3)
			☐2.5 liters,



			<ul style="list-style-type: none"> <li>☐ Analytical Grade</li> <li>☐ 99.5%,</li> </ul>
157	btl	1	<p><b>Tryptophan</b></p> <p><i>Analytical Reagent Grade 500g per bottle;</i></p>
158	pc	3	<p><b>Vernier Caliper</b></p> <ul style="list-style-type: none"> <li>☐ Measurement Range:0-200mm</li> <li>☐ Material:Stainless Steel</li> <li>☐ Accuracy:0.01mm</li> <li>☐ Caliper Type:Digital Calipers</li> </ul>
159	pc	1	<p><b>Water Quality Test Meter</b></p> <ul style="list-style-type: none"> <li>☐ 2 in 1 kit, with calibration packets and user's manual</li> <li>◀ 1 TDS meter</li> <li>◀ 1 pH meter</li> <li>☐ Hand-held and portable, pen-sized</li> <li>☐ Color: yellow (pH) + blue (TDS)</li> <li>☐ Material: plastic + metal</li> <li>☐ Size: length 15.4cm</li> <li>☐ Accurate reading</li> <li>☐ Good quality</li> <li>☐ Durable</li> </ul>
160	btl	1	<p><b>Zinc Chloride, Analytical Grade, 500g/btl</b></p> <ul style="list-style-type: none"> <li>☐ AR grade, 500 g per bottle;</li> </ul>
161	tube	1	<p><b>zirconium oxide beads, 0.5 mm: pkg. of 50</b></p>
162	lot	1	<p><b>1 LOT OF LABORATORY CENTRAL &amp; SIDE BENCH</b></p> <p><b>(1 unit) Central Bench (2000*1240*900) (L*D*H) (mm)</b></p> <p><i>Frame: steel structure;</i></p> <p><i>Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;</i></p> <p><i>Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;</i></p> <p><i>Slideway: three section slide rail, no noise;</i></p> <p><i>Hinges: open type high quality hinges, self-closing.</i></p> <p><i>Handle: aluminum dark type handle;</i></p> <p><b>(2 units) Central Bench L*D*H (2000*1240*900) (mm)with reagent rack shelf and top cupboards</b></p> <p><i>Frame: steel structure;</i></p> <p><i>Cabinet: use high quality galvanized steel sheet ,surface coated with epoxy powder;</i></p> <p><i>Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;</i></p> <p><i>Slideway: three section slide rail, no noise;</i></p> <p><i>Hinges: open type high quality hinges, self-closing.</i></p> <p><i>Handle: aluminum dark type handle; with reagent rack shelf and top cupboards;</i></p> <p><b>(2 units) Side Bench (2000*700*900) (L*D*H) (mm)</b></p> <p><i>Frame: steel structure;</i></p>





			<i>Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder;</i>
			<i>Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;</i>
			<i>Hinges: open type high quality hinges, self-closing.</i>
			<i>Handle: aluminum dark type handle; with 3 pcs sockets and covers, 220V.</i>
			<b>(2 units) Side Bench with Sink and Pegboard (1240*700*900) (L*D*H) (mm)</b>
			<i>Frame: steel structure;</i>
			<i>Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder;</i>
			<i>Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;</i>
			<i>Hinges: open type high quality hinges, self-closing.</i>
			<i>Handle: aluminum dark type handle; with one set pp sink 550*450*310mm + three way outlet faucet; with 1 set water drop pegboard;</i>
163	lot	1	<b>1 lot Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+</b>
			<b>Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+ Analog Multimeter (10,000.00)= PhP 55,000.00</b>
			<i>1. Metric Vernier Caliper, External Micrometer Measuring SetS (Calibrated) (5 sets) (PhP 35,000.00)</i>
			<i>Product Details</i>
			<i>It consists of a vernier caliper and a micrometre screw gauge, both made entirely from hardened stainless steel. This ensures you hardwearing tools that are also corrosion-resistant.</i>
			<i>The dual scale on the vernier caliper allows you to choose whether to take your readings in imperial or metric format. You can be sure of accurate measurements thanks to its fine adjustment mechanism, with lock screws to hold it in place for precise reading. The micrometre screw gauge comes in very accurate 0.01 mm reading ranges for pinpoint computations. It also has a compression ring and ratchet stop mechanism to prevent jams and preserve the lifespan of the tool. This measuring set is suitable for general workshop use as well as In laboratories and classrooms.</i>
			<i>Specifications</i>
			<i>Attribute: Value</i>
			<i>Set Contents: Vernier Caliper, External Micrometer</i>
			<i>Maximum Micrometer Measurement: 25 mm</i>
			<i>Maximum Caliper Measurement: 150 mm</i>
			<i>Imperial or Metric: Imperial, Metric</i>





																										
			<p><b>2. 1000ml Glass Measuring Cylinder With Graduated (Calibrated) 10 units ( PhP 10,000.00)</b></p> <p>1, Capacity 1000 ml,</p> <p>2, Standard:ISO international standard</p> <p>3, Material: borosilicate glass 3.3</p>																							
			<p><b>3. Analog Multimeter - 10 units (PhP 1000.00 Each) (PhP 10,000.00)</b></p>																							
			<p>Specifications</p> <table border="0"> <tr> <td>Function</td> <td>Measuring range</td> </tr> <tr> <td>DCV</td> <td>0.1 (20kΩ/V) 0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)</td> </tr> <tr> <td>DCV (NULL)</td> <td>±5/25V (40kΩ/V)</td> </tr> <tr> <td>ACV</td> <td>10/50/250/750 (9kΩ/V)</td> </tr> <tr> <td>DCA</td> <td>50μ/2.5m/25m/0.25A</td> </tr> <tr> <td>Resistance</td> <td>2k/20k/200k/2MΩ (x1/x10/x100/x1k) 200MΩ (x100k)</td> </tr> <tr> <td>Capacitance</td> <td>10μF</td> </tr> <tr> <td>dB</td> <td>-10dB ~ +22dB (for 10VAC) ~ +62dB</td> </tr> <tr> <td>Load current (LI)</td> <td>0-150m/15m/1.5m/150μ/1.5μA</td> </tr> <tr> <td>DC high voltage</td> <td>DC25kV (optional probe "HV-10T" is necessary)</td> </tr> <tr> <td>hFE</td> <td>1000 at x10 range (optional probe "HFE-6T" is necessary)</td> </tr> </table> <p>Battery R6 (IEC) or UM-3 (1.5V)x2 Fuse Φ5.2x20mm (250V/0.5A) Size/Mass H159.5×W129×D41.5mm/Approx. 320g</p>	Function	Measuring range	DCV	0.1 (20kΩ/V) 0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)	DCV (NULL)	±5/25V (40kΩ/V)	ACV	10/50/250/750 (9kΩ/V)	DCA	50μ/2.5m/25m/0.25A	Resistance	2k/20k/200k/2MΩ (x1/x10/x100/x1k) 200MΩ (x100k)	Capacitance	10μF	dB	-10dB ~ +22dB (for 10VAC) ~ +62dB	Load current (LI)	0-150m/15m/1.5m/150μ/1.5μA	DC high voltage	DC25kV (optional probe "HV-10T" is necessary)	hFE	1000 at x10 range (optional probe "HFE-6T" is necessary)	
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164	pc	6	10 ml Type 1, class A borosilicate glass Beaker																							




165	pc	6	1000 ml Type 1, class A borosilicate glass Beaker
166	pc	6	25 ml Type 1, class A borosilicate glass Beaker
167	pc	6	250 ml Type 1, class A borosilicate glass Beaker
168	lot	1	<b>2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater</b>
			<i>Lot: 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater - Warmer Upgrade (PhP 180,000.00+ PhP 50,000.00= PhP 230,000.00)</i>
			<b>1. 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 (PhP 180,000.00)</b>
			<i>Description:</i>
			<i>Low electrical noise. Independent second channel for objective heaters or incubator lids. Can be used with Temperature controlled microscope stages, heated. Compatible with objective heater.</i>
			<i>plastic-encapsulated external probes (optional): no metal ions leakage into solutions</i>
			<i>Stability 0.01°C self-adjusting</i>
			<i>Multiple temperature probes: allow to stabilize temperature in large volumes (Petri dishes)</i>
			<i>Overheating protection: no risk to burn the heating stage or destroy your sample</i>
			<i>Analog Output to monitor temperature</i>
			<i>Analog and RS232 Input to set and program temperature</i>
			<i>No noise: suitable for electrophysiological recordings</i>
			<i>Standby mode</i>
			<i>No vibrations during imaging and recording - no internal fan</i>
			<i>Can be used with objective heaters. Most heating stages work as inline solution pre-heaters. Can be used with flow control and perfusion systems. Includes connecting cables.</i>
			<b>Specifications:</b>
			<i>Range: room to 150°C, with accuracy of 0.1°C</i>
			<i>Temperature probes: optional miniature 0.87mm diameter (fits small volume chambers); plastic-encapsulated</i>
			<i>Stability: 0.01°C; required for sensitive applications: nano/piezo positioning, confocal imaging</i>
			<i>Settings: self-adjusting; flexible, allow to stabilize temperature in different sample volumes and heating stage sizes; allow to regulate output from 0 up to 96W per channel - prevents temperature overshoot and provides dual overheating protection</i>
			<i>Feedback: Stage or External BATH probe</i>
			<i>Output: 12V 4A max, per channel; 18V and 24V upon request</i>



			<p><i>Input: 100-240VAC</i></p> <p><i>Dimensions: 8x4x9in.</i></p>
			
			<p><b>2. Objective Heater - Warmer Upgrade (PhP 50,000.00)</b></p>
			<p><b>Description:</b></p> <p>A thin flexible polyimide heater for any microscope objective. Used with oil or water immersion optics. Built-in temperature sensor. Easy to attach and remove. Simply wrap the heater around objective and secure with included Velcro tape. The heater is usually attached to a cylindrical surface of the objective, closer to the sample. The controller stores two settings in its memory for different size objectives.</p>
			<p>Compatible with temperature controller.</p>
			<p><b>Specifications:</b></p>
			<p><i>Dimensions: 0.5/0.25in. wide x 5/10in long (around objective surface)</i></p>
			<p><i>Temperature stability: 0.01°C, self-adjusting, required for sensitive applications: nano/piezo positioning or confocal imaging</i></p>
			<p><i>Dual overheating protection: regulated power output down to 0W; settings eliminate temperature overshoot; adjustable temperature threshold</i></p>
			<p><i>Easy to install: Fits any objective</i></p>
			
			<p><b>3. Tabletop 6x 50 ml High Speed Centrifuge (PhP 80,000.00)</b></p>
			<p><b>Description:</b></p> <ul style="list-style-type: none"> <li>- Brushless motor</li> <li>- Microprocessor control</li> <li>- Max. Speed- 8000- 30000 rpm</li> </ul>
			<p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>- Brushless motor</li> </ul>



			- Microprocessor control
			- Max. Speed- 8000- 30000 rpm
			Power Supply: AC220 V 50 Hz
			Display: LCD
			Max. Rcf: 1870 xg
			Noise: <65 dB
			Consumption: 350 W
			Dimensions: 500 x 440 x 330 mm
			
169	pc	6	500 ml Type 1, class A borosilicate glass Beaker
170	btl	1	Ammonia, NH <sub>3</sub>
			Concentrated, Analytical reagent grade, 2.5L/bottle
171	pack	3	Ammonium Acetate, AR, 500g
172	btl	2	Ammonium Flouride
			☐White crystalline
			☐ACS reagent, ≥98.0%
			☐500g
173	btl	1	ammonium meta vanadate, AR>, 500g/btl
174	btl	1	ammonium molybdate
			ammonium molybdate, analytical reagent - 500 g.
175	btl	1	Ammonium Sulfate, 500g/btl.
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
176	unit	2	Analytical Balance, digital
			capacity-200 grams;
			accuracy-0.001g
			readability 0.001g
			with certificate of calibration
177	unit	1	Analytical Balance, at least 220g capacity
			☐4 decimal places
			☐Automatic Internal Calibration, LCD back-lit display
			☐Capacity: 220g
			☐Readability: 0.1 mg
			☐Repeatability (std dev): 0.1 mg
			☐Linearity (+/-): 0.2 mg
			☐Pan size (mm/inch): 90 Ø/3.5Ø
			☐Response time: 3 sec
			☐Calibration: Perfect Self Auto Calibration (temperature / time /power on)
			☐Display: Bright LCD Display with LED backlight



			<ul style="list-style-type: none"> <li>☐Unit of measure: gram, Milligram</li> </ul>
			<ul style="list-style-type: none"> <li>☐Tare Range: Full</li> </ul>
			<ul style="list-style-type: none"> <li>☐Operating Temperature: 10°C to 40°C</li> </ul>
			<ul style="list-style-type: none"> <li>☐Dimension (WXDXH) mm : 342.5X212x341</li> </ul>
			<ul style="list-style-type: none"> <li>☐Power Supply: AC Adapter 100V- 240V +/- 20% 50-60Hz</li> </ul>
			<ul style="list-style-type: none"> <li>☐Net weight with Packing: 8 kgs</li> </ul>
			<ul style="list-style-type: none"> <li>☐Packing Dimension (WXDXH) mm: 500 x 380 x 510 / 19.6" x 14.9"x 20"</li> </ul>
178	pc	2	<b>Autoclavable Pipetter of Single Channel, 0.2-2 ul, good-quality, brand new</b>
179	pc	2	<b>Autoclavable Pipetter of Single Channel, 100-1000 ul, good quality, brand new</b>
180	pc	2	<b>Autoclavable Pipetter of Single Channel, 10-100 ul, good quality, brand new</b>
181	pc	2	<b>Autoclavable Pipetter of Single Channel, 1-10 ul, good-quality, brand new</b>
182	pc	2	<b>Autoclavable Pipetter of Single Channel, 20-200 ul, good quality, brand new</b>
183	unit	1	<b>Autoclave</b>
			<p>external dimension (mm): 455 x 691 x 890 Dimensions (mm): 364 x 482 Canned body capacity: 50.2 L Temperature range (variable equation): Sterilization / 105 to 135 ° C, dissolved / 60 to 100 ° C, Insulation / 45 to 60 ° C Pressure gauge: Digital / 0 to 0.3 MPa Analog / 0 to 0.4 MPa Timer: Sterilization / 1 to 300 minutes, dissolution / 1 to 60 minutes, Reservation / 1 hour to 99 hours Selection course: Liquid, agar, equipment, and dissolution Function: air vent double sensing system, forced cooling, water discharge bottle full water, detection, exhaust level adjustment (four stages), auto cut-off memory (12 Data) Safety device: Pressure safety valve, leakage current, overcurrent breaker and error display (Air heater, temperature sensor disconnection, overtemperature, overcooling, overpressure, Lid / exhaust valve / heater abnormality) power supply: AC100V 20 A Weight: About 62 kg Accessories: stainless steel round wire mesh basket x 2 pieces, drainage bottle x 1 piece duckboard x 1 piece caster stopper x 2 pieces Heteroclave Freight, carrying, installation and assembly costs are required separately. Please contact us * This product is not a medical device Model Number: HG-50 LB</p>
184	pc	2	<b>Beaker, Glass, 1000mL</b>
			<ul style="list-style-type: none"> <li>☐1000mL capacity, borosilicate glass;</li> </ul>
185	pc	24	<b>Beaker, Glass, 100mL</b>
			<ul style="list-style-type: none"> <li>☐100mL capacity, borosilicate glass;</li> </ul>
186	pc	1	<b>Beaker, Glass, 2000mL</b>
			<ul style="list-style-type: none"> <li>☐2000mL capacity, borosilicate glass;</li> </ul>



187	pc	3	<b>Beaker, Glass, 500mL</b>
			☐500mL capacity, borosilicate glass;
188	pc	24	<b>Beaker, Glass, 50mL</b>
			☐50mL capacity, borosilicate glass;
189	kg	1	<b>Boric Acid, Analytical Reagent</b>
190	pack	4	<b>Centrifuge (Conical) Tubes, 15mL Capacity</b>
			☐With graduations and marking spot.
			☐Screwcap (plugseal)
			☐Sterile. RNase-/DNase-free.
			☐Non-pyrogenic
			☐Polyethylene terephthalate (PET) material
			☐At least 3600 centrifugal force (x g)
			☐Pack of 50 Tubes
191	pack	4	<b>Centrifuge (Conical) Tubes, 50mL Capacity</b>
			☐With graduations and marking spot.
			☐Screwcap (plugseal)
			☐Sterile. RNase-/DNase-free.
			☐Non-pyrogenic
			☐Polyethylene terephthalate (PET) material
			☐At least 3600 centrifugal force (x g)
			☐Pack of 25 Tubes
192	btl	1	<b>Cesium Chloride</b>
			CAS: 7647-17-8
			Form: Colourless or white deliquescent crystals or powder or beads or chunk
			Pack Size: 25g
			Packaging Type: glass bottle
			Grade: AR quality
193	kg	1	<b>citric acid, technical grade</b>
194	pc	1	<b>Digital Vernier Caliper</b>
			Electromagnetic induction type absolute encoder and Advanced Onsite Sensor (AOS) technology;
			Range: 200 mm;
			Resolution: 0.01 mm.
			Power supply: : Button-type silver oxide battery SR44
195	unit	2	<b>Emergency Eye Washer with Shower</b>
			Material: stainless steel;
			Emergency shower: 304 stainless steel inlet pipes/s stay-open ball valve with s/s actuating arm s/s pull rod & s/s shower head;
			Eye wash: 304 stainless steel inlet pipe, s/s stay-open ball valve with flag handle & s/s eye wash bowl;
			Spray head: Chemical resistant PP/Solid brass,built-in stainless steel filter to remove impurities from water;
			Foot treadle stainless steel
196	pcs	6	<b>Erlenmeyer Flask 125ml.</b>



			<i>Material:</i>
			<i>borosilicate glass</i>
			<i>bottom (baffled)</i>
			<i>wide-mouth</i>
<b>197</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 1L</b>
<b>198</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 250mL</b>
			☐ <i>Material: Borosilicate Glass</i>
			☐ <i>Good Quality</i>
<b>199</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 500ml</b>
			☐ <i>Material: Borosilicate Glass</i>
			☐ <i>Good Quality</i>
<b>200</b>	<b>box</b>	<b>1</b>	<b>Filter paper, #1</b>
			<i>qualitative analysis</i>
			<i>125 mm diameter</i>
			<i>at least 100 pcs. per box</i>
<b>201</b>	<b>box</b>	<b>1</b>	<b>Gloves, Nitrile, Small</b>
			☐ <i>box or 100-50 pairs, small</i>
			☐ <i>natural rubber latex-free, powderless</i>
			☐ <i>micro grip</i>
<b>202</b>	<b>pc</b>	<b>1</b>	<b>Gravity Convection Oven</b>
			<i>Chamber Material: Aluminum</i>
			<i>Display: Analog</i>
			<i>Dimensions (D x W x H) Interior: 11.5 x 16 x 16.2 in. (29 x 41 x 41cm)</i>
			<i>Dimensions (L x W x H) Exterior: 13.5 x 18.5 x 22.5 in. (34 x 47 x 57cm)</i>
			<i>Temperature Range: Ambient +5° to 210°C</i>
			<i>Temperature Control: Bimetallic thermostat</i>
			<i>Power source: 220- 240V 50/60Hz</i>
			<i>Certifications/Compliance: UL/cUL listed</i>
<b>203</b>	<b>pc</b>	<b>5</b>	<b>Lab Gown Long Sleeves L</b>
			☐ <i>Lab Coat High-quality White</i>
			☐ <i>Size- Large; long sleeves</i>
<b>204</b>	<b>pack</b>	<b>4</b>	<b>Microcentrifuge Tubes (1.5mL Capacity)</b>
			☐ <i>1.5mL Capacity</i>
			☐ <i>clear</i>
			☐ <i>safe-lock</i>
			☐ <i>pack of 1000</i>
			☐ <i>autoclavable</i>
<b>205</b>	<b>pack</b>	<b>4</b>	<b>Microcentrifuge Tubes (2.0mL Capacity)</b>
			☐ <i>2.0mL Capacity</i>
			☐ <i>clear</i>
			☐ <i>safe-lock</i>
			☐ <i>pack of 1000</i>
			☐ <i>autoclavable</i>
<b>206</b>	<b>pack</b>	<b>4</b>	<b>Micropipette Tip, 10 uL</b>
			☐ <i>10 uL-capacity</i>





			<ul style="list-style-type: none"> <li>☐ Standard tip, graduated</li> <li>☐ Autoclavable</li> <li>☐ Pack of 1000 tips</li> </ul>
207	pack	4	<p><b>Micropipette Tip, 1000 uL</b></p> <ul style="list-style-type: none"> <li>☐ capacity, 1000 uL</li> <li>☐ Standard tip, graduated</li> <li>☐ Autoclavable</li> <li>☐ Pack of 1000 tips</li> </ul>
208	pack	4	<p><b>Micropipette Tip, 200 uL</b></p> <ul style="list-style-type: none"> <li>☐ capacity, 200 uL</li> <li>☐ Short tip, graduated,</li> <li>☐ Autoclavable</li> <li>☐ Pack of 1000 tips</li> </ul>
209	unit	2	<p><b>Microwave Oven, 30L</b></p> <ul style="list-style-type: none"> <li>☐ 30 Liters Microwave Oven</li> <li>☐ Quick Defrost</li> <li>☐ Push Bottom + Knob + Digital</li> <li>☐ Automatic Programmes</li> <li>☐ 5 Power Levels</li> <li>☐ LED White Color</li> <li>☐ Turntable Size: 315mm</li> <li>☐ Voltage: 230V</li> <li>☐ Frequency: 60Hz</li> <li>☐ Microwave Power: 100W</li> </ul>
210	unit	1	<p><b>Mini CERTRIFUGE</b></p> <ul style="list-style-type: none"> <li>☐ Description: <ul style="list-style-type: none"> <li>◀ Quiet &amp; Compact</li> <li>◀ Spins multiple micro sample tube sizes</li> <li>◀ Ideal for Quick Spin-Downs</li> <li>◀ Fast Starting &amp; Stopping</li> </ul> </li> <li>☐ Specifications: <ul style="list-style-type: none"> <li>◀ RPM: 6,600 rpm</li> <li>◀ RCF: 2,200 xg</li> <li>◀ Microtube Rotor: 2 x 8-strips or 16 x 0.2mL tubes</li> <li>◀ Dimensions (WxDxH): +4°C to 50°C</li> <li>◀ Electrical: 100V to 230VAC, 50/60 HZ, 0.1 A</li> <li>◀ Warranty: 1 year</li> </ul> </li> </ul>
211	unit	1	<p><b>Orbital Shaker</b></p> <ul style="list-style-type: none"> <li>Model: OS – 20 Range of rotation: 40 – 200rpm</li> <li>Max load: 2kg (without clamp)</li> <li>Orbital diameter: 20mm Display: LED display</li> <li>Operation mode: Timing / continuous running</li> <li>Timing range: 1min – 19h59min</li> <li>Allowable ambient temp range: 5 – 40°C</li> <li>Allowable relative humidity: 80% DIN EN60529</li> <li>protection method: IP20</li> <li>Size: 270*330*130mm Voltage/Frequency: 100 – 240VAC</li> </ul>



			50/60Hz Motor input/output power: 200W / 10W
212	unit	2	<b>pH Meter with complete specification</b>
			Specifications: Parameters Measured: pH/ mV (ORP)/°C
			Range pH: (-2.00~19.99) PH
			mV: (0~± 1999) Mv Temp: (0.0~80.0)° C
			Resolution pH: 0.01PH mV: ± 1mV
			Temp: 0.01° C
			Accuracy pH: ± 0.01pH ± 1bit
			mV: ± 0.1mV ± 1bit
			Temper: ± 0.01° C
			Stability: (± 0.01pH ± 1bit)/3h
			Temperature Compensation: Manual/Auto (0.0~80.0)° : LCD, dual parameter
			Power: Universal power adapter (12V DC, 1.0mA)
213	btl	4	<b>Potassium dichromate, AR Grade</b>
			☐ 500 grams/poly bottle;
214	btl	2	<b>Potassium dihydrogen phosphate, AR, 500g/btl</b>
215	btl	1	<b>Potassium sulfate, K<sub>2</sub>SO<sub>4</sub></b>
			Analytical reagent grade, 500g/bottle;
216	pack	5	<b>Qualitative filter paper, Grade 1 or its equivalent</b>
			☐ Material: cellulose filters, circles
			☐ Pack Size: 100 pcs
			☐ Parameter: 0.25 psi wet burst
			☐ Diameter : 25 mm
			☐ Thickness: 180 μm
			☐ Pore size: 11 μm (Particle retention)
			☐ Basis weight: 87 g/m <sup>2</sup>
217	set	1	<b>Sieve no.10 with cover and pan</b>
			☐ Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 μm (0.0787in)
			☐ Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			☐ Sieve Cover (8" Brass Sieve Cover Lid)
218	kg	3	<b>sodium carbonate</b>
			sodium carbonate - analytical grade, 1.00 kg
219	kg	2	<b>sodium chloride, technical grade</b>
220	btl	5	<b>Sodium Hexametaphosphate, 500g</b>
221	bag	5	<b>Sodium Hydroxide, Technical Grade, Flakes 25kgs/bag</b>
222	set	1	<b>Soil Test Kit</b>
223	pc	1	<b>Stainless Steel Laboratory Microspatula</b>
224	btl	2	<b>Strontium Chloride</b>
			☐ Anhydrous
			☐ Lab grade/ Analytical reagent grade
			☐ Expiration date (3 years from the delivery date)
			☐ Packed in Teflon bottles at 500g
225	btl	1	<b>Sulfuric acid, H<sub>2</sub>SO<sub>4</sub></b>
			☐ Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle



226	pc	30	<b>Test Tube (Small), Glass, 12 x 75mm</b>
			☐12x75 mm glass (borosilicate)
227	pc	2	<b>Test tube/ Bottle Cleaning Brush</b>
228	unit	2	<b>Top Loading Weighing Scale</b>
			☐Usage/Application: Laboratory
			☐Capacity: 6 kg
			☐accuracy: 0.01g
			☐Display: Digital
229	liter	1	<b>Triethanolamine, AR</b>
230	pc	5	<b>Volumetric Flask 100ml</b>
			☐100 mL (±0.01 mL)
			☐Borosilicate glass with glass standard taper stopper,
			☐Class A
			☐Calibrated
231	pc	2	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>
			<b>Rebidding (from VSU-GOODS-24-09)</b>
232	lot	1	<b>2 Unit of Digital Electric Stereo Microscope with Camera Lucida</b>
			Specifications:
			<b>HARDWARE</b>
			AR tilting trinocular tube SZX2-ARTTR • Angle of observation tube: 5 to 45 degrees
			• Maximum power consumption: 10 W
			• Interpupillary distance adjustment range: 57 to 80 mm
			• Equipped with eyepiece clamping knob
			• Light-path switching mechanism: present
			Eyepiece magnification: 1.25X; camera magnification: 1X
			• Functions of buttons on the front panel: AR image brightness adjustment (7 levels) and AR image ON/OFF
			Input connectors: HDMI x 1, USB 2.0 (Type-C) x 1, DC jack x 1
			• Drive voltage: AC 100–240 V (AC adaptor)
			• Camera lucida adapter: present
			• Camera lucida included: yes
			Zoom magnification sensor Main Functions:
			• Set the zoom magnification (at click positions only)
			• Move slides created on the software forward and backward
			• Output connector: USB 2.0 Type-C
			Recording:
			• File saving formats: mp4, mov; Video codec: H264
			• Audio format: MP3; Audio codec: mp3
233	lot	1	<b>2 Whole Plastinated Cat specimen ,1 Whole plastinated cat specimen,3D Cat Model,3D frog Anatomy,3D Human Anatomy Introduction, 3D Bird Anatomy, 3D fish anatomy</b>
			Specification:
			> 2 Whole Plastinated Cat specimen -Dissected model



			<p>exposing the anatomy of the neck, thoracic regions, abdominal organs, along with musculature of the upper forelimbs and hindlimbs</p>
			<p>Approximate length: 14 to 18 inches</p>
			<p>&gt;1 Whole plastinated cat specimen Model showing superficial muscles of the cat</p>
			<p>&gt; 3D cat model- The 3D Cat Anatomy software is an interactive model that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.</p>
			<p>&gt; 3D frog anatomy. The 3D Frog Anatomy software is an interactive model of an American bullfrog (<i>Rana catesbeiana</i>) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.</p>
			<p>&gt;3D Human Anatomy Introduction -The 3D Human Anatomy Introduction software consists of an interactive model of the human body, created especially for students, teachers and healthcare professionals.</p>
			<p>&gt;3D Bird Anatomy -The 3D Bird Anatomy software (desktop version) is an interactive anatomical model of a pigeon. This tool allows you to visualize bones, muscles and internal organs, as well as details of the bird's external anatomy.</p>
			<p>&gt;3D fish anatomy The 3D Fish Anatomy software is an interactive model of a perch (<i>Perca flavens</i>) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption or removed to permit viewing of deeper structures.</p>
<b>234</b>	<b>lot</b>	<b>1</b>	<b>35 lab chairs , 5 aluminum shelves</b>
			<b>35 pcs. Stacking Chair</b>
			Width: 20 inches
			Height: 32 1/2 inches
			Arms: Without Arms
			Assembled: Assemble Required
			Back: With Back
			Color: Black
			Features: Stackable
			Frame Color: Silver
			Frame Material: Steel
			Padded Seat: Without Padded Seat



			<i>Seat Material: Plastic</i>
			<i>Shape: Rectangle</i>
			<i>Style: Solid Back</i>
			<i>Type: Chairs</i>
			<i>Usage: Breakroom Indor</i>
			<b>5 pcs. 5-Layer Steel Cabinet with Glass Sliding Doors</b>
			<i>Product specifications</i>
			<i>Color: Beige, Light Gray, Offwhite</i>
			<i>Material/s Used: Ga24 Metal Sheet, Heavy Duty Ball Bearing Rollers, Powdercoated Painting Flnish</i>
			<i>Dimension (WxDxH): 900X4000X1850</i>
<b>235</b>	<b>Vial</b>	<b>1</b>	<b>4-Nitrophenol or p-Nitrophenol</b>
			<i>Analytical standard</i>
			<i>Powder or crystal form</i>
			<i>HPLC suitable</i>
			<i>Vial of 1g</i>
<b>236</b>	<b>gal</b>	<b>2</b>	<b>Acetone</b>
			■ <i>Acetone, Technical Grade</i>
			■ <i>1gal</i>
<b>237</b>	<b>pc</b>	<b>2</b>	<b>Amber Reagent Bottle, 100mL</b>
			<i>With Stopper/Screw Cap</i>
			<i>Material: Glass/Borosilicate Glass</i>
			<i>Capacity: 100mL</i>
<b>238</b>	<b>pc</b>	<b>2</b>	<b>Amber Reagent Bottle, 500mL</b>
			<i>With Stopper/Screw Cap</i>
			<i>Material: Glass/Borosilicate Glass</i>
			<i>Capacity: 500mL</i>
<b>239</b>	<b>btl</b>	<b>1</b>	<b>Automatic tilt measure ,Sulphuric acid</b>
			<i>Automatic tilt measure</i>
			<i>with rubber stopper and storage bottle 500 ml</i>
			<i>for 10 ml sulphuric acid</i>
<b>240</b>	<b>btl</b>	<b>1</b>	<b>Automatic tilt measure, Amyl alcohol</b>
			<i>Automatic tilt measure Superior</i>
			<i>with rubber stopper and storage bottle 250 ml</i>
			<i>for 1 ml amyl alcohol</i>
<b>241</b>	<b>btl</b>	<b>1</b>	<b>Barfoed's Reagent Solution 1000mL</b>
			<i>Technical Reagent Grade 1000mL per bottle</i>
<b>242</b>	<b>btl</b>	<b>2</b>	<b>Benedict's Solution 1000mL</b>
			<i>Technical Reagent Grade 1000mL per bottle;</i>
<b>243</b>	<b>set</b>	<b>1</b>	<b>Biological Safety Cabinet- Class I</b>
			<i>suitable for work involving low to moderate risk agents (Biosafety Levels 1, 2 and 3) where there is a need for containment, but not for product protection.</i>
			<i>the HEPA filter included protects the environment by filtering air before it is exhausted</i>
			<i>With the negative pressure, personnel protection is made possible by constant movement of air into the work area</i>



			<i>Specifications:</i>
			<i>UV lamp for sterilization</i>
			<i>Soft touch control panel, LCD display</i>
			<i>Energy-saving, high efficiency, low noise.</i>
			<i>With memory function in case of power-failure.</i>
			<i>304 stainless steel work stable, easy for cleaning.</i>
			<i>Stable air flow system; provide firm protection to person and environment.</i>
			<i>External Size: (W*D*H), mm: 900*713*1250mm</i>
			<i>Internal Size:(W*D*H), mm: 900*713*1250mm</i>
			<i>Voltage: 220V (AVR included)</i>
<b>244</b>	<b>box</b>	<b>1</b>	<b>Blood Lancets g.23 box of 200</b>
<b>245</b>	<b>bag</b>	<b>1</b>	<b>Boiling Stone or Chips</b>
			■1000pcs/bag Glass Marbles High Precision Lab Glass Beads Used in distillation to prevent liquid level boiling
<b>246</b>	<b>pc</b>	<b>3</b>	<b>Butyrometer for milk 0-10%</b>
			<i>Milk butyrometer 0 – 10 %: 0.1 (accessory: 3280), glass</i>
<b>247</b>	<b>btl</b>	<b>1</b>	<b>Carbon Disulfide 500mL</b>
			<i>Analytical Reagent Grade 500mL per bottle</i>
<b>248</b>	<b>gal</b>	<b>2</b>	<b>Chlorine</b>
			<i>Liquid;</i>
<b>249</b>	<b>btl</b>	<b>2</b>	<b>Chloroform 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>250</b>	<b>pc</b>	<b>40</b>	<b>Condom or Rubber Sheath</b>
			<i>material: Latex rubber</i>
<b>251</b>	<b>unit</b>	<b>1</b>	<b>Custom oligo primers</b>
			■HPLC-CE purified
<b>252</b>	<b>btl</b>	<b>1</b>	<b>Cyclohexene</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>253</b>	<b>unit</b>	<b>1</b>	<b>Deep Freezer w/ surge protector (AVR)</b>
			<i>Specifications:</i>
			<i>&lt; Rated Voltage: 230V</i>
			<i>&lt; Rated Frequency: 60Hz</i>
			<i>&lt; Rated Power Input: 216W</i>
			<i>&lt; Rated Current: 1.OA</i>
			<i>&lt; Weight: 51kgs</i>
			<i>&lt; Refrigerant/ Amount: R134a/125g</i>
			<i>&lt; Climate: T</i>
			<i>&lt; Classification of Anti- electric Shock: OI</i>
			<i>&lt; Volume-365 L</i>
			<i>&lt; Energy Consumption-1.78Kw-h/24h</i>
			<i>&lt; Stainless Steel</i>
			<i>&lt;7 cubic meters</i>
			<i>&lt; -50 degrees Celsius (Negative 50 degrees Celsius)</i>
			<i>&lt; Dual Compartment</i>
			<i>&lt; Any Color</i>
			<i>&lt; With Safety Lock</i>



			< Interior Light
254	unit	1	<b>Dial Instant-Read Kitchen Thermometer (Bimetal)</b>
			<i>Reads in 15-20 seconds</i>
			<i>Place 2 - 2 1/2 deep in the thickest part of food</i>
			<i>Can be used in roasts, casseroles, and soups</i>
			<i>Temperature is averaged along probe, from tip to 2-3" up the stem</i>
			<i>Cannot measure thin foods unless inserted sideways</i>
			<i>Not designed to remain in food while it is cooking</i>
			<i>Use to check the internal temperature of a food at the end of cooking time</i>
			<i>Can be calibrated</i>
255	unit	1	<b>Digital Weighing Scale- 0.01-5kg</b>
			☐Capacity: 0.01g to 5kg
			☐Type: Laboratory Balance
			☐Power Supply: 100-240V/50-60H
			☐Size: 320*205*100mm
256	pc	5	<b>Drager Aspirator Bulb</b>
257	canister	3	<b>Ethyl Alcohol (95%)</b>
			☐Container size: Plastic waterjug (20L)
258	pack	1	<b>Filter paper</b>
			<i>Specifications:</i>
			<i>-Glass microfiber filters</i>
			<i>- Diameter: 47 mm</i>
			<i>-Pore size: 1.2 μm or 1.5 μm</i>
			<i>-100 pcs per pack</i>
259	btl	1	<b>Formaldehyde</b>
			<i>Analytical Reagent Grade 2.5L per bottle;</i>
260	set	1	<b>Giemsa stain set</b>
			<i>Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml</i>
261	box	15	<b>Glass Jar 8oz</b>
			☐Clear
			☐8oz
			☐M-7177
			☐with cap
			☐24pcs/box
262	box	3	<b>Gloves, Nitrile, Medium</b>
			☐Glove Type: Chemical Resistant Disposable Gloves
			☐Glove Material: Nitrile
			☐Powder-Free
			☐1 box of 100 or 50 pairs
			☐Food Safe
			☐Size: Medium
263	btl	1	<b>Glycerin 1L/Bottle, AR</b>
264	pc	2	<b>Graduated Cylinder, Glass, 1000mL</b>



			<ul style="list-style-type: none"> <li>☐ <i>Material: Borosilicate Glass</i></li> </ul>
			<ul style="list-style-type: none"> <li>☐ <i>Good Quality</i></li> </ul>
265	pc	7	<b>Graduated Cylinder, Glass, 100mL</b>
			<ul style="list-style-type: none"> <li>☐ <i>Type 1, Class A Borosilicate Glass</i></li> </ul>
266	pc	7	<b>Graduated Cylinder, Glass, 250mL</b>
			<ul style="list-style-type: none"> <li>☐ <i>Material: Borosilicate Glass</i></li> </ul>
			<ul style="list-style-type: none"> <li>☐ <i>Good Quality</i></li> </ul>
267	pc	2	<b>Graduated Cylinder, Plastic, 1000mL</b>
			<i>Plastic, 1000ml (1L) capacity for Particle Size Analysis</i>
268	set	2	<b>Hemaquick Stain</b>
269	pc	5	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			<i>6 inches; 0.01-0.025 mm accuracy</i>
270	unit	1	<b>Hygrometer Thermometer Indoor Humidity Monitor, Temperature Humidity Meter Room Thermometer Gauge In</b>
			<i>* Power supply: Station:2 x AAA 1.5V batteries(not included); Sensor: 2 x AAA 1.5V batterie(Battery not included).</i>
			<i>* Backlight LCD Display</i>
			<i>* with Remote Sensor</i>
271	btl	1	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>
272	unit	1	<b>Laboratory Refrigerator</b>
273	unit	1	<b>Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM, 5000 mL maximum stirring capacity</b>
274	pc	20	<b>Laboratory Stool/Chair, Wheeled</b>
275	unit	4	<b>Laboratory working table</b>
			<i>Frame: steel structure; Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder; Table top: made of 12.7mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing; Hinges: open type high quality hinges, self-closing; Handle: aluminum dark type handle, with 3 pcs sockets and covers, 220V</i>
277	btl	2	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>
			<ul style="list-style-type: none"> <li>☐ <i>Suitable for manual, ultrasonic, and machine washing</i></li> <li>☐ <i>Completely biodegradable</i></li> <li>☐ <i>Free of phosphate, chlorine, enzyme, and EDTA</i></li> <li>☐ <i>Contains anionic and cationic surfactants</i></li> <li>☐ <i>5 liters per bottle</i></li> </ul>
278	btl	1	<b>Lithium Chloride</b>
			<ul style="list-style-type: none"> <li>☐ <i>Anhydrous</i></li> <li>☐ <i>Lab grade/Analytical reagent grade</i></li> <li>☐ <i>Expiration date(3 years from the delivery date)</i></li> <li>☐ <i>Packed in Teflon bottles</i></li> </ul>
279	btl	7	<b>Malt Yeast Extract Agar</b>
			<ul style="list-style-type: none"> <li>☐ <i>Applications: Yeasts and molds selective enumeration, yeasts and molds selective isolation</i></li> </ul>





			<p>●pH: 4.7±0.2 at 25°C</p> <p>●solubility: without rests</p> <p>●Appearance: fine powder</p> <p>●100 grams</p>
280	lot	1	<p><b>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo</b></p> <p>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo,, Dissection pans with wax, Dissection pans with wax, Bone saw, Teasing needles, Dissect, Serrated forceps, Thumb forceps, Fine-tip forceps, Scalpel handle, boxes Surgical blades , Mayo Dissecting scissors, Push carts, Sedgewick-Rafter Counting Cell</p> <p>Item Specification</p> <p><b>2 pcs. Manual sphygmomanometer</b> with calibration key Measure scope 0-300mmHg Accuracy: +/-33mmHg Sub-division: 2mmHg</p> <p><b>2 pcs. Digital sphygmomanometer/Automatic Blood Pressure Monitor</b> clinically validated body movement detection blood pressure level indicator irregular heartbeat detection measurement memory storage average for last 3 readings within 10 minutes intellisense technology</p> <p><b>2 pcs. Pulse oximeter</b> Pulse Rate, Blood Oxygen Saturation (SpO2), Heart Rate Measurement range: 70~99% Resolution: 1% Power Source: Rechargeable Accuracy: 3% (70%~99%) Measurement range: 30~240 bpm Resolution: 1% Accuracy: 2bpm or 2% (select larger) Low Perfusion: 0.4% Working Current: 30mA Dimension &amp; Weight: 58*36*33mm, 32g</p> <p><b>2 pcs Stop Watch</b> Large screen. display Counts up to 24 hours with a resolution of 1/100 second with lap function, alarm, clock, and calendar Includes battery</p> <p><b>10 pcs. Alcohol Thermometer 200 °C</b> unit scale: degree Celsius range: max 200 degree Celsius length: approx 30cm</p>



			material: traditional glass
			alcohol thermometer mounting: tube type
			Item Specification
			>10 pcs. Dissection pans with wax Dimensions: 16x9 inches- Aluminum/stainless steel material
			>20 pcs. Dissection pans with wax 10x7.5 inches- Aluminum/stainless steel material
			>5 pcs. Bone saw
			>30 pcs. Teasing needles Stainless steel handle with a straight metal probe
			>30 pcs. Dissecting probe Stainless steel handle with a bent needle
			>30 pcs. Serrated forceps Stainless steel material, medium points, serrated tips -6 inches long
			>30 pcs. Thumb forceps Stainless steel material, smooth tip
			>30 pcs. Fine-tip forceps Stainless steel material, straight tip
			>40 pcs. Scalpel handle (size 4) without blade Stainless steel material with satin finish
			>2 boxes Surgical blades Size 21
			>1 box Surgical blade Size 10
			>1 box Surgical blade Size 11
			>30 pcs. Mayo Dissecting scissors Stainless steel material, straight bladed scissors
			>30 pcs. Mayo dissecting scissors Stainless steel material, Curved bladed scissors
			>5 pcs. Push carts Stainless steel With wheels 30 inches height 3 layers
			5 pcs. Sedgewick-Rafter Counting Cell
			Item Specification
			Material: Brass and Glass
			Length (") 3
			Sample volume: 1.0 ml, cell size 50x201x1mm
			Width(cm): 2.54
			Length (cm): 7.62
			Description: Gridded Sedgewick-Rafter Counting Cell, brass, 1.0ml
281	btl	1	<b>Methyl orange, Sodium salt</b>
			■ 25g per bottle
			■ Orange Solid, Crystalline
			■ Analytical Grade
282	unit	2	<b>Microscope with Camera Lucida with Storage Cabinet</b>
			Stereo microscope with drawing tube (camera lucida) and dry storage cabinet
			Specification:
			Zoom ratio: 10:1
			Zoom range: 0.75x-7.5x



			Zoom control: Dual, graduated, bilateral amount
			Focus: Course and fine focus
			Magnification: 7x-45x (10x eyepieces)
			Viewing head: Tilting ergonomic binocular viewing head
			Revolving nosepiece: manual, standard type
			Extendable Eyepoint adjuster: yes
			Camera port: yes, camera mount adapter
			Attachment for drawing tube: yes
			Drawing tube or camera lucida: yes, detachable
			Transmitted light stand: yes - brightfield/darkfield light base
			Primary light: 6V 30W
			Accessory light: 6V 30W
			Light type: Halogen
			Stage plate: clear and black
			Objective dust cover: yes
			Power cord: yes
<b>283</b>	<b>pc</b>	<b>5</b>	<b>Mixing bowl Stainless Steel</b>
			Features: 1. Made of premium stainless steel, shiny, scratch-resistant, rust-resistant. 2. It won't stain or absorb odors,
			size: 5L, 12 cm Hx26cmHx26cmWx26cmD
<b>284</b>	<b>btl</b>	<b>2</b>	<b>Molybdic acid (sodium salt) (Na<sub>2</sub>MoO<sub>4</sub>, 2H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			500grams per bottle, AR;
<b>285</b>	<b>unit</b>	<b>1</b>	<b>Nerve Muscle Assembly/ Kymograph Assembly</b>
			Specification:
			Universal Kymograph (speeds 0.12, 0.25, 1.25, 2.5, 12.5, 25, 320, 640 mm/sec) with inbuilt Stimulator
			Muscle and heart Bath with pair of electrodes, lever assembly, pin and ink marker
			Hook and weight set, set of 11g
			Hook and weight set, set of 110g
			Time marker
			Marriote bottle and stand
			Kymograph paper
			Dissection box
			Dissection tray
			Pithing needle
			Muscle clip
			Connecting wire
<b>286</b>	<b>btl</b>	<b>1</b>	<b>Paraformaldehyde</b>
			☐ Reagent or analytical grade
			☐ Crystalline form
			☐ Bottle of 25g
<b>287</b>	<b>pc</b>	<b>45</b>	<b>Pasteur pipette</b>
			Specifications



			230mm Overall Length, 108mm Tip Length, 120 mm Body Length,
			Type 1 Clear Glass
			Non-sterile
			Max dispensing volume : 2mL
			No graduations
<b>288</b>	<b>unit</b>	<b>1</b>	<b>pH / Temperature Laboratory Bench Meter</b>
			◀Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures
			◀Easy to read large custom LCD
			◀Easy and Quick Push-button Calibration
			◀7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration
			◀Messages on the LCD to make the calibration easy and accurate
			◀User-selectable "calibration time out" to remind when a new calibration is necessary
			◀Stability Indicator prompts whenever reading stabilizes.
			◻Moreover, it offers an extended temperature range from -20°C (-4°F) to 120°C (248°F), using the MA831R interchangeable temperature probe.
			◻Specific Details:
			◀Range: pH -2.00 to +16.00 pH
			◀Temp.: -20.0 to +120oC / -4.0 to +248oF
			◀Resolution: pH 0.01pH
			◀Temp.: 0.1oC (0.1oF)
			◀Accuracy: pH +/- 0.01 pH (@20oC / 68oF) Temp.: +/- 0.4oC / +/- 0.8oF
			◀Typical EMC pH: +/- 0.02 pH
			◀Deviation Temp.: +/- 0.4oC / +/- 0.8oF
			◀pH Automatic Calibration: 1 or 2 point calibration, with 7 memorised buffers
			◀Offset Calibration: +/- 1 pH
			◀Slope Calibration: from 80 to 108%
			◀Temperature Compensation: automatic, from -20.0 to +120oC / -4.0 TO +248oF or manual, without temperature probe
			◀pH electrode: MA 917B/1 (included) double junction refillable glass pH electrode
			◀Temperature probe: MA 831R (included) Environment: 0 to 50oC / 32 to 120.0oF; max. RH 95% Input impedance: 10 <sup>12</sup> ohm
			◀Power supply: 12 VDC power adaptor (supplied)
			◀Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.
<b>289</b>	<b>btl</b>	<b>1</b>	<b>Pharmaceutical Agar, AR, 500g/bottle</b>
<b>290</b>	<b>kit</b>	<b>2</b>	<b>phi25 DNA polymerase, RCA kit</b>
<b>291</b>	<b>pack</b>	<b>2</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>



			<i>Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14</i>
			<i>PROPERTIES</i>
			<i>Quality Level 100</i>
			<i>feature non-bleeding: no</i>
			<i>graduations and accuracy measuring range accuracy: 1 pH unit</i>
			<i>roll L 4.8 m , with color scale</i>
			<i>pH range 1-14</i>
			<i>detection method colorimetric</i>
			<i>storage temp. 15-25°C</i>
<b>292</b>	<b>pack</b>	<b>1</b>	<b>Pipette Tips (20 ul)</b>
			■ <i>20 ul capacity</i>
			■ <i>autoclavable</i>
			■ <i>100 pcs per pack</i>
<b>293</b>	<b>set</b>	<b>1</b>	<b>Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case</b>
			<i>Specification:</i>
			<i>Backlit display for nighttime use</i>
			<i>Built-in calibration button for displaying the average of saved test results</i>
			<i>Multi-language display</i>
			<i>Higher-frequency, capacitive circuit improves accuracy</i>
			<i>Moisture range: 5% to 40% depending on grain tested</i>
			<i>Temperature range: 32° to 113°F (0° to 45°C)</i>
			<i>Repeatability &amp; Accuracy: ± 0.5% in normal moisture range for stored grain</i>
			<i>Single-point or Precision multi-point calibration to match local elevator</i>
			<i>Direct readout for 40 different grain scales</i>
			<i>Case color: Black</i>
			<i>Material: Plastic</i>
			<i>Power source: Battery-powered</i>
			<i>Voltage: 9 Volts</i>
			<i>Certification: certified frustration-free</i>
			<i>Battery included: yes</i>
			<i>Includes Protective carrying case with shoulder strap with warranty</i>
<b>294</b>	<b>unit</b>	<b>1</b>	<b>Portable Suction Machine</b>
			<i>Suction Machine</i>
			<i>Power voltage: 220v/60Hz</i>
			<i>Lightweight and Portable</i>
			<i>For use in bronchial and oral hygiene to provide effective airway clearance and control infection</i>
			<i>Oil-free Pump</i>
			<i>Heavy Duty</i>
			<i>Power voltage: AC 220V</i>
			<i>Negative pressure: ≥0.075Mpa</i>



			Suction rate: $\geq 19\text{L/min}$
			Negative pressure regulating range: $-0.013 \sim -0.07\text{MPa}(490\text{mmHg})$
			Suction bottle: 1000ml
			Noise: $\leq 65\text{dB}$
			Input Power: 150VA
			Pump Structure: Self-lubrication without oil
			Working type: Intermission
295	btl	2	<b>Potassium dichromate, AR Grade</b>
			☐500 grams/poly bottle
296	box	1	<b>Razor Blade, Box of 25pcs</b>
297	kit	1	<b>Reverse transcriptase, 200000 units/ml concentration, 10000 units/tube/kit</b>
298	kit	1	<b>RNA Extraction kit for soil samples</b>
			50 reactions in the kit
299	box	3	<b>Scalpel Blade</b>
			☐Stainless steel
			☐100 blades/box
300	btl	1	<b>Seliwanoff's Reagent</b>
			Technical grade (100mL per bottle)
301	tube	5	<b>Shelby Tube, 2.5in Diameter X 36in Long</b>
			Note: Size is OD. All tubes are 16 gauge steel.
			3" and 5" tubes are galvanized
302	bag	2	<b>Silver Aluminum Foil Zip Lock Pouches</b>
			Color: silver
			Size: approx. 7*5cm
			Quantity: 100pcs
			Boil-able, freezable and reusable Not transparent, high reflection
303	btl	1	<b>Sodium Iodide</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
304	unit	1	<b>Soft Ice Cream Machine</b>
			Voltage: 110V/60Hz
			Total Power: 1000W
			Ice Cream Output: 2.6-5.3 Gal / 10-20 L per Hour
			Hopper Capacity: 1.2 Gal / 4.5 L
			Cylinder Capacity: 0.4 Gal / 1.6 L
			Compressor: 430W Embraco
			Refrigerant: R290a
			Working Temperature: 41-95°F / 5-35 °C
			Product Dimensions: 21.7"x8.3"x26.8"/550x210x680 mm
			Product Weight: 99.2 lbs / 45 kg
305	btl	1	<b>Strontium Chloride</b>
			☐Anhydrous



			<ul style="list-style-type: none"> <li>☐ Lab grade/ Analytical reagent grade</li> <li>☐ Expiration date(3 years from the delivery date)</li> <li>☐ Packed in Teflon bottles at 500g</li> </ul>
<b>306</b>	<b>kit</b>	<b>1</b>	<b>Taq DNA Polymerase, 5000U</b>
			<ul style="list-style-type: none"> <li>☐ Certified molecular biology grade</li> <li>☐ For PCR analysis</li> <li>☐ Concentration: 5U/uL</li> <li>☐ Kit includes 25mL each of 10x PCR buffer and 50mM MgCl<sub>2</sub></li> <li>☐ Size: 1mL</li> </ul>
<b>307</b>	<b>pc</b>	<b>5</b>	<b>Test Tube Racks, 12mm x 12Holes</b>
			Stainless Steel Holes Test Tube Rack
<b>308</b>	<b>btl</b>	<b>1</b>	<b>TRIS-base, pH 8, molbio grade, 500g/bot</b>
<b>309</b>	<b>set</b>	<b>1</b>	<b>Veterinary Gas Anesthesia Machine</b>
			Suitable for animals (e.g., dogs and cats).
			Rebreathing and non-rebreathing circuit.
			With trolley
			With patient monitor
			With oxygen concentrator
			With endotracheal tube
			With laryngoscope
			Soda lime and Isoflurane
			Power: 220V supply voltage and 60Hz
			Inclusions: Accessories, Automatic Voltage Regulator, free in-house training
<b>310</b>	<b>pc</b>	<b>3</b>	<b>Volumetric Flask 100ml</b>
			<ul style="list-style-type: none"> <li>☐ 100 mL (<math>\pm 0.01</math> mL)</li> <li>☐ Borosilicate glass with glass standard taper stopper,</li> <li>☐ Class A</li> <li>☐ Calibrated</li> </ul>
<b>311</b>	<b>pc</b>	<b>5</b>	<b>Volumetric Flask 10ml</b>
			<ul style="list-style-type: none"> <li>☐ 10 mL (<math>\pm 0.02</math> mL)</li> <li>☐ Class A</li> <li>☐ Borosilicate Glass with Glass Standard Taper Stopper</li> <li>☐ calibrated</li> </ul>
<b>312</b>	<b>pc</b>	<b>5</b>	<b>Volumetric Flask 50ml</b>
			<ul style="list-style-type: none"> <li>☐ 50mL, (<math>\pm 1</math>mL)</li> <li>☐ Borosilicate glass with glass standard taper stopper,</li> <li>☐ Class A</li> <li>☐ Calibrated</li> </ul>
<b>313</b>	<b>pc</b>	<b>10</b>	<b>weighing pan, rectangular 260mm, 200 mm</b>
			VSU
<b>314</b>	<b>pc</b>	<b>1</b>	<b>Digital Caliper</b>
			high quality Stainless steel Vernier Calliper (millimeter and inches size) size:12"(0-300mm) high in quality genuine product Digital Calliper



## ***Section VII. Technical Specifications***





## Technical Specifications

Item #	Unit	Qty	Description	Statement of Compliance
1	btl	1	0.5M EDTA, 100 ml	[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]
2	pc	30	100 ml Type 1, class A borosilicate glass Beaker	
3	pc	3	1000mL Beaker Plastic	
			<i>The polypropylene beaker has excellent transparency and the contents can be seen well.</i>	
			<i>Can be autoclaved.</i>	
			<i>Has excellent chemical resistance and durability</i>	
			<i>Specification: With scale, with handle</i>	
			<i>Material: Polypropylene (PP)</i>	
			<i>Type: Beaker with handle</i>	
			<i>Scale: Yes</i>	
			<i>Heat Resistance Temperature (°C): 120</i>	
			<i>Handle: Yes</i>	
4	btl	1	10x TBE Buffer, 500 ml	
			<i>biotechnology grade;</i>	
5	pc	78	125 ml Erlenmeyer flask	
6	btl	1	2,4-dinitrophenylhydrazine	
			<i>Melting point: 197-200 °C (lit.)</i>	
			<i>Boiling point: 335.43°C (rough estimate)</i>	
			<i>Density 0.843 g/mL at 20 °C</i>	
			<i>refractive index n<sub>20</sub>/D 1.374</i>	
			<i>Flash point: 14 °C</i>	
			<i>storage temp. 2-8°C</i>	
			<i>solubility 50% sulfuric acid: 10 mg/mL, clear, colorless</i>	
			<i>form crystals</i>	
			<i>pka 12.1(at 25 °C)</i>	
			<i>color Red</i>	
			<i>PH Range Yellow (11.0) to brown (12.5)</i>	
			<i>Water Solubility slightly soluble</i>	
			<i>Stability: Stable when wet, but explosive when dry. May be shock sensitive when dry. Highly flammable. Incompatible with strong oxidizing agents.</i>	
			<i>Major Application Fuel cells, detecting microorganisms, antibacterial agent, treatment of acute and chronic hepatitis, gynecopathy, cardiovascular diseases, cerebrovascular diseases</i>	
			<i>Packaging: 100grams/1 bottle</i>	
7	box	4	3 layer Non-woven surgical face mask, at least 50 pcs. per box	
8	pc	30	50 ml Type 1, class A borosilicate glass Beaker	
9	btl	1	5M NaCl, 250 ml	
			<i>biotechnology grade;</i>	
10	gal	7	95% Ethyl Alcohol, Technical Grade (Gallon)	
11	btl	2	Acetic Acid	



			<i>Grade: ACS grade</i>
			<i>CAS: 64-19-7</i>
			<i>Pack Size: 500 mL</i>
			<i>Form: Liquid</i>
			<i>Molar Mass: 60.05 g/mol</i>
			<i>Pack Type: Natural Poly bottle</i>
			<i>Glacial: 99 - 100 %</i>
<b>12</b>	<b>gal</b>	<b>3</b>	<b>Acetone</b>
			☐ Acetone, Technical Grade
			☐ 1gal
<b>13</b>	<b>unit</b>	<b>1</b>	<b>Advanced Operator Panel (AOP) for a Variable Speed Controller</b>
			<i>Input: 200-240V + 10% - 10% 1Diameter AC 35.5A; 47 - 63 Hz</i>
			<i>Output: 0-INPUT V 3diameter AC; 13.6A; 0-650 Hz</i>
			<i>Motor: 3kW</i>
			<i>Tem range: -10 to +50deg celsius</i>
			<i>Duty Class II</i>
			<i>Weight: 4.7kg/10.3lbs'</i>
			<i>Line filter Class A</i>
<b>14</b>	<b>kg</b>	<b>2</b>	<b>Agar Agar</b>
<b>15</b>	<b>btl</b>	<b>1</b>	<b>Agarose, molbio grade, 100g/bot</b>
<b>16</b>	<b>gal</b>	<b>5</b>	<b>Alcohol, Denatured</b>
<b>17</b>	<b>liter</b>	<b>5</b>	<b>Alcohol, Ethyl, 95% (Tech)</b>
<b>18</b>	<b>pc</b>	<b>1</b>	<b>All American Pressure Canner/ Steam Sterilizer (Non Electric)</b>
			<i>For a 27.9 Qt Inner Capacity Container Sterilizer:</i>
			<i>Capacity - (27.9 Qt Inner Container Capacity)</i>
			<i>Overall Height - 19 inches</i>
			<i>Bottom Height - 14 1/4 inches</i>
			<i>Inside Diameter - 15 1/4 inches</i>
			<i>For a 28 Qt Inner Capacity Container Sterilizer:</i>
			<i>Inside Depth - 10 1/2 inches</i>
			<i>Inside Diameter - 14 inches</i>
			<i>Circumference - 44 1/2 inches</i>
			<i>Capacity - 28 Quarts</i>
			<i>Made in the U.S.A.</i>
			<i>For a 25 Qt Inner Capacity Sterilizer:</i>
			<i>Includes 2 cooking/canning racks and instruction &amp; recipe book</i>
			<i>Capacity - 25 Quarts (Liquid), 19 Pint Jars, 7 Quart Jars</i>
			<i>Inside diameter - 12 5/8 inches</i>
			<i>Inside Height - 11 7/8 inches</i>
			<i>Overall Height - 16 3/4 inches</i>
			<i>*Jar capacities are based on round regular mouth standard Mason jar sizes.</i>
			<i>Made in the U.S.A.</i>



			Professional quality, extra heavy duty cast aluminum construction throughout
			for fast & even heating
			□ Stay-cool bakelite top handle
			□ Geared steam gauge
			□ Equipped with 2 automatic venting features which provide an extra margin of safety (the safety control valve & overpressure plug)
			□ Pressure regulator weight with settings of 5, 10 and 15 psi
			□ Smooth, easy to clean satin finish
			□ Double thickness edges for additional protection on points of heaviest wear
19	btl	5	<b>Amber Glass Bottles with Dropper (100ml)</b>
20	pack	2	<b>Amber Injection Glass Vials with cover, 2mL</b>
			Screw top vial, 2 mL
			Amber, write-on spot with cover
			Autoclavable
			Compatible with Agilent HPLC Sampler
			Pack of 100 vials
21	kg	2	<b>Ammonium Nitrate</b>
			☐AR grade; at least 98% purity
			☐Molecular Wt. 80.043 grams per mol.
			☐1kg/pack
22	btl	1	<b>Ammonium Phosphate Dibasic</b>
			☐Analytical Grade
			☐500 G bottle
23	btl	1	<b>a-Naphthalene Acetic Acid (NAA), extra pure, 100g</b>
			☐>100 g in poly bottle
			☐>suitable for plant cell culture
			☐>BioReagent, ≥95%, crystalline
24	btl	1	<b>Anhydrous Sodium Sulfate, AR</b>
			Analytical grade
			Anhydrous
			Powder form
			Size: 500g per bottle
25	btl	2	<b>Ascorbic acid</b>
			☐Analytical reagent grade, crystalline powder, 25 g/bottle
26	set	1	<b>Benchtop Multiparameter Meter</b>
			Inclusions
			1 Meter
			1 Glass pH Electrode with built-in temp sensor
			1 Conductivity Electrode with built-in temp sensor
			Meter Accessory set
			Buffer solutions (4, 7, 10) 250 mL each bottle
			3.33 M KCl reference electrolyte (250 mL)
			Conductivity Standard Solutions (84 uS/cm, 1413 uS/cm,



			12.88 mS/cm, 111.8 mS/cm) 250 mL each bottle
			<i>Delivery and Installation</i>
			<i>1 Free PM and Calibration 1 year after the installation</i>
			<i>Meter Specifications</i>
			<i>Meter must be dual channel and able to do simultaneous measurements</i>
			<i>1 channel must be able to measure either pH, Ion, mV, and ORP</i>
			<i>1 channel must be able to measure either conductivity, salinity, resistivity, and TDS</i>
			<i>Both channels must display temperature data</i>
			<i>Meter display must be colored screen to distinguish between parameters</i>
			<i>Meter display must be touchscreen (or no buttons) and waterproof or chemical-resistant to prevent moisture and chemical damage during analysis</i>
			<i>Meter display must be covered with a glass panel and protection cover</i>
			<i>Meter must have an automatic calibration function and automatic buffer recognition</i>
			<i>Meter software must include electrode status</i>
			<i>Power Requirement of the equipment is 220V.</i>
			<i>pH specifications</i>
			<i>Measurement must be through glass electrode method</i>
			<i>Measurement range must have a wider range than pH 0.000– 14.000</i>
			<i>Resolution must be up to 0.001 pH</i>
			<i>Accuracy must be <math>\pm 0.001</math> pH</i>
			<i>pH calibration must be up to 5 points</i>
			<i>ORP specifications</i>
			<i>ORP range must at least be <math>\pm 1999.9</math> mV</i>
			<i>Resolution must be up to 0.1 mV</i>
			<i>Accuracy must be up to 0.2 mV</i>
			<i>Conductivity or EC Specifications</i>
			<i>0.000 <math>\mu</math>S/cm to 1.999 S/cm</i>
			<i>Cell constant, k must be either 0.1, 1.0, and 10.0</i>
			<i>Resolution must be at least 0.5% of full scale</i>
			<i>Accuracy must be at least <math>\pm 0.5\%</math> of full scale</i>
			<i>Calibration must be settable to manual or automatic.</i>
			<i>Calibration must be up to 4 points</i>
			<i>Salinity Specifications</i>
			<i>Range must be at least 0.00 to 80.00 ppt</i>
			<i>Resolution must be up to 0.01 ppt</i>
			<i>Temperature Specifications</i>
			<i>Range must be at least -30.0 ° C to 130.0 ° C</i>
			<i>Resolution must be up to 0.1 ° C</i>
<b>27</b>	<b>btl</b>	<b>3</b>	<b>Benedict's Solution 1000mL</b>
			<i>Technical Reagent Grade 1000mL per bottle;</i>



28	btl	3	<b>Benzene, 2.5 L</b>
29	btl	1	<b>Benzoic Acid</b>
			<i>Benzoic Acid Tablet Pack size: 500g</i>
30	btl	1	<b>Buffer Solution pH 10, 500 mL</b>
31	btl	1	<b>Cadmium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity)</i>
			<i>Clear</i>
			<i>Appearance (Colour)</i>
			<i>Colourless</i>
			<i>Appearance (Form)</i>
			<i>Liquid</i>
			<i>Concentration (Cd)</i>
			<i>1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage</i>
			<i>Room Temperature</i>
			<i>Shelf Life</i>
			<i>36 Months</i>
			<i>IMDG Identification</i>
			<i>UN No.:3264 , IMCO Class No.:8 , Packing Group:III</i>
			<i>PACK SIZE: 250mL / bottle</i>
32	btl	1	<b>Calcium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Ca) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250ml</i>
33	kg	1	<b>Calcium Carbide</b>
			<i>Calcium carbide (pieces, thickness &lt;10 mm , typically, technical grade, ~80%)</i>
34	btl	3	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>
			<i>dihydrate</i>
			<i>1.5-2.5mm</i>
			<i>Molecular Weight: 246.47</i>
			<i>500grams</i>
35	btl	1	<b>Calcium chloride, anhydrous, powder, ≥97%, 100g</b>
36	kg	1	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>
			<i>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</i>
37	btl	2	<b>Calcium Nitrate standard for Tissue Culture,</b>



			<b>Analytical reagent</b>
<b>38</b>	<b>btl</b>	<b>2</b>	<b>Carbon Tetrachloride</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>39</b>	<b>pc</b>	<b>2</b>	<b>Case Cover GARMIN Oregon 650T</b>
			<i>Case Cover GARMIN Oregon650T Front Frame With Button Handheld</i>
<b>40</b>	<b>pack</b>	<b>1</b>	<b>Casein</b>
			<i>Food grade casein</i>
			<i>1kg/pack</i>
<b>41</b>	<b>pack</b>	<b>1</b>	<b>Centrifuge tube, 50 ml, sterile</b>
			<i>polypropylene, free standing, flat screw cap, 25 pcs/pack</i>
<b>42</b>	<b>pack</b>	<b>1</b>	<b>Centrifuge tubes, 15 ml, sterile</b>
			<i>polypropylene, flat screw cap, 25 pcs/pack</i>
<b>43</b>	<b>btl</b>	<b>1</b>	<b>Chloroform 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>44</b>	<b>btl</b>	<b>1</b>	<b>Chromium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Blue</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Cr) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack size 250mL</i>
<b>45</b>	<b>btl</b>	<b>1</b>	<b>Cobalt AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Light pink</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Co) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250mL</i>
<b>46</b>	<b>btl</b>	<b>1</b>	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>
<b>47</b>	<b>pc</b>	<b>10</b>	<b>Condom or Rubber Sheath</b>
			<i>material: Latex rubber</i>
<b>48</b>	<b>btl</b>	<b>1</b>	<b>Copper AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Blue</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Cu) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>



			<i>Storage</i>	<i>Room Temperature</i>
			<i>Shelf Life</i>	<i>36 Months</i>
			<i>Pack Size</i>	<i>250mL</i>
<b>49</b>	<b>btl</b>	<b>1</b>	<b>Copper Acetate, Monohydrate</b>	
			<i>AR, 500 grams</i>	
<b>50</b>	<b>btl</b>	<b>1</b>	<b>Cyclohexene</b>	
			<i>Analytical Reagent Grade 2.5L per bottle</i>	
<b>51</b>	<b>btl</b>	<b>1</b>	<b>Cysteine</b>	
			<i>analytical reagent grade 25g per bottle</i>	
<b>52</b>	<b>btl</b>	<b>1</b>	<b>D-(+)-Glucose</b>	
			<i>D-(+)-Glucose- Dextrose</i>	
			<i>≥99.5% (GC)</i>	
			<i>application(s): cell culture   embryo: suitable</i>	
			<i>powder form</i>	
			<i>G6152-1KG</i>	
<b>53</b>	<b>btl</b>	<b>1</b>	<b>D-(+)-Maltose monohydrate, AR</b>	
			<i>Analytical Standard</i>	
			<i>HPLC suitable</i>	
			<i>Size: 500 mg per bottle</i>	
<b>54</b>	<b>pc</b>	<b>1</b>	<b>Dehumidifier for Extra Large Rooms and Basements</b>	
			<i>Includes: Washable Filter, Built-in Handles and Wheels, Drain Hose Outlet</i>	
			<i>Weight: at most 40 lbs</i>	
			<i>Rated Current: 4.7 Amps</i>	
			<i>Moisture Removal: 70 pints per day</i>	
			<i>Air CFM Range (cubic feet per minute): 165 (Normal) to 188 (Turbo)</i>	
			<i>Removable Water Tank Capacity: at least 1.6 gallons / 6 liters</i>	
			<i>Certifications: UL &amp; Energy Star rated</i>	
			<i>Features: Touch Control Panel; Auto Restart, Shut Off, Defrost; Turbo Mode; Continuous Dehumidifying; 24-hour Timer; Custom Humidity Level from 35% to 85%</i>	
			<i>Spaces between 2500 and 4000 square feet, with room temp from 41°F to 95°F</i>	
			<i>Power: 220/240V</i>	
<b>55</b>	<b>gal</b>	<b>2</b>	<b>Deionized water (food grade)</b>	
<b>56</b>	<b>pack</b>	<b>4</b>	<b>Delicate Task Wiper</b>	
			<i>4.4 x 8.4 inches</i>	
			<i>Low lint and low extractable</i>	
			<i>Absorbs 18 percent more water than other private label wipers</i>	
			<i>Absorbs water 24 percent faster than other private label wipers</i>	
			<i>One at a time dispensing</i>	
			<i>Won't scratch delicate surfaces when wet</i>	
<b>57</b>	<b>pc</b>	<b>2</b>	<b>Dessicator, Glass</b>	
			<b>☑ Dessicator, Glass, 300mm (12")</b>	



58	btl	2	<b>Dichloromethane</b> <i>Analytical reagent grade, 2.5L/bottle</i>
59	pc	1	<b>Digital Grain Moisture meter</b> <i>Application: Paddy Brown Rice, Polished Rice, Barley, Wheat, Naked Barley</i> <i>Measuring Range: Paddy, Baron Rice, Polished Rice: 10-40%</i> <i>Barley Wheat, Naked Barley: 10-35%</i> <i>Accuracy: +-0.5% (10%-20%)</i> <i>Temperature range of Material: 0 to 40 degree Celsius</i> <i>Display Method: Digital Display by L.C.D</i> <i>TEMPERATURE Compensation: Automatic Compensation</i> <i>Exchange method: Direct indication of exchange figure automatically</i> <i>Power Source: Dry Battery 1.5 V(R6) X4pcs.</i> <i>Dimensions (main body): W175XH72XD100(mm)</i> <i>Weight: 480g</i> <i>Accessories: Sample saucerx2 , Hullerx1, Brushx1, Pincettex1, Spoonx1, Casex1, Manualx1</i>
60	pc	1	<b>Digital Weighing Scale</b> <i>Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display</i> <i>-Water resistant</i> <i>-FREE adaptor included!High precision strain gauge technology</i> <i>Rapid price amount computing</i> <i>Red LED display</i> <i>Tare / Zero / Add-up / Total display / Clear total</i> <i>Dual-display: weight, unit price, amount</i> <i>Framework structure with pressure-limit protection</i> <i>Overload and low voltage indication</i> <i>AC/DC charging with built-in rechargeable battery</i> <i>Automatic energy saving mode</i> <i>Five different unit price memories</i> <i>Automatic temperature compensation Available in 10, 15 and 30kgs</i> <i>Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display</i>





			-Water resistant
			-FREE adaptor included!High precision strain gauge technology
			Rapid price amount computing
			Red LED display
			Tare / Zero / Add-up / Total display / Clear total
			Dual-display: weight, unit price, amount
			Framework structure with pressure-limit protection
			Overload and low voltage indication
			AC/DC charging with built-in rechargeable battery
			Automatic energy saving mode
			Five different unit price memories
			Automatic temperature compensation
<b>61</b>	<b>pc</b>	<b>1</b>	<b>Dissolved Oxygen Meter</b>
			☐Pen-type, portable, easy to carry and durable
			☐LCD display for simultaneous display of dissolved oxygen and temperature.
			☐Highly sensitive probe for fast response and accurate measurement
			☐Unit switching function, Celsius and Fahrenheit
			☐Removable probe design, easy to change measurement, equipped with three spare probe covers for intimate protection.
			☐The pen body design is compact, lightweight, easy to carry and easy to measure.
			☐Measurement Range: 0.00-20.00mg/L
			☐Basic Measurement Error: 0.4 mg/L
			☐Dissolved Oxygen Temperature Compensation: 0-40 degrees Celsius
			☐Power Supply: 4 LR44 1.5V button batteries
			☐Color: Blue And Gray
			☐Dissolved Oxygen Meter:140x40x40mm/5.5x1.6x1.6in
			☐Pen:160x13x13mm/6.3x0.5x0.5in
			☐Lead Length:2930mm/115.4in
			☐Probe Length:3090mm/121.7in
			☐Full Length:3230mm/127.2in
			☐Weight:223g/7.87oz
			☐Package Included:
			◀1 x Host
			◀3 x Probe Covers
			◀1 x USB Data Cable
			◀1 x Portable Cloth Bag
			◀1 x Color Box
			◀1 x Factory Certificate
			◀1 x Instruction Manual
			◀1 x Dissolved Oxygen Filling Solution
			◀10 x Reagent A
			◀10 x Reagent B



62	btl	2	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>
63	btl	1	<b>EMS Ethyl Methanesulfonate (C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>S) (25grams)</b>
			<i>Molecular weight - 124.2</i>
			<i>Molarity - 9.7 (neat liquid)</i>
			<i>Density - 1.202 g/ml (20 °C)</i>
			<i>99% purity</i>
64	btl	3	<b>Ethanol</b>
			<i>AR grade, 2.5L, at least 95% v/v</i>
65	btl	1	<b>Ethanol Absolute</b>
			<i>2.5 Liters/ bottle;</i>
66	btl	1	<b>Ethanol, absolute, molbio grade, 99.9% 2.5L</b>
67	gal	1	<b>Ethanol/Ethyl Alcohol, 70%, Laboratory Grade, 3.8 L</b>
			<i>Ethanol, 70%, Laboratory Grade, 3.8 L</i>
			<i>Synonym: Ethyl alcohol</i>
			<i>Formula: CH<sub>3</sub>CH<sub>2</sub>OH</i>
			<i>Formula Wt: 46.07</i>
			<i>CAS: 64-17-5</i>
			<i>Notes: Completely denatured; green chemistry substitute for methanol</i>
68	canister	3	<b>Ethyl Alcohol (95%)</b>
			☑ <i>Container size: Plastic waterjug (20L)</i>
69	carboy	1	<b>Ethyl Alcohol, Pure 95%, atleast 20L/carboy</b>
70	box	11	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>
			☑ <i>Pore size:2.5um</i>
			☑ <i>at least 100 pcs. per box</i>
71	set	1	<b>Flowatch meter</b>
			<i>Accuracy: ±2% fluid speed; ±3% air velocity; Temperature, ±1°F (±0.2°C). Range: Fluid Speed, 0.2 to 40 mph (0.1 to 18 M/Sec) depending on impeller; Temperature, -58°F to 212°F (-50°C to 100°C). Resolution: 0.3 km/h; 0.2 mph; 0.2 knots; 0.1 M/Sec. Temperature Modes: Minimum, maximum, current temperature, wind chill factor. Operating Modes: Current, maximum and average fluid speed. Power: 2 AA Batteries (included). Dimensions: Display, 5.25" x 2.25" x 2.5"; Case, 25" x 13" x 3</i>
72	btl	1	<b>Fructose</b>
			<i>Analytical Reagent Grade, 500g per bottle;</i>
73	unit	1	<b>Garmin Oregon 650t 3-Inch Handheld GPS</b>
			<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Digital Camera</i>
			<i>Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Features</i>
			<i>3-Inch sunlight-readable, touchscreen display with multi-touch capability</i>
			<i>Dual-band GPS/GLONASS satellite positioning</i>
			<i>Sensors (3-axis compass, accelerometer, barometric</i>



			<i>altimeter)</i>
			<i>ANT or Bluetooth technology -wirelessly share routes, tracks, waypoints, geocaches, custom maps and photos between units Dual orientation - auto switching between landscape or portrait views</i>
			<i>Dual battery system -2 AA batteries or NiMH battery pack charged by the Oregon (battery pack included with 650/650t; optional with 600/600t) 8MP autofocus camera (650, 650t only) with LED flash/torch and digital zoom</i>
			<i>About Garmin Oregon 650t 3-Inch Handheld GPS With 8MP</i>
			<i>From the moment you cradle the 650t in your hand, you're ready to enter into a bold new world of Garmin GPS mapping and positioning. With high-sensitivity GPS and GLONASS satellite tracking (more satellites mean faster fixes, even in challenging environments), preloaded TOPO U.S. 100K maps, worldwide basemap with shaded relief and a faster processor, you don't just look at maps, you interact with them. Zoom in, pan out and rotate using multi-touch. The touchscreen even is compatible with many gloves. The reflective display technology boosts touchscreen brightness so much that maps and displays are as vivid in full bright sunlight as they are in shade. And, mark memories with an 8 megapixel autofocus camera with digital zoom and automatic flash/torch, plus customizable buttons for 1-touch image capture and waypoint marking. Quality Photos Now you don't have to take an additional camera with you to take quality photos. Oregon 650t's built in 8 megapixel autofocus digit</i>
<b>74</b>	<b>tube</b>	<b>1</b>	<b>GeiRed Nucleic Acid Gel Stain</b>
			<i>Volume: 5 ml/tube</i>
			<i>Catalog No.: 41003 or 41003-1</i>
			<i>Assay type: DNA/RNA gel staining</i>
			<i>1. GeiRed is a fluorescent nucleic acid stain designed to replace the highly toxic ethidium bromide (EtBr) for staining dsDNA, ssDNA or RNA in agarose gels or polyacrylamide gels.</i>
			<i>2. It is also compatible with downstream DNA manipulations such as restriction digest, sequencing, and cloning.</i>
			<i>3. Easy disposal: Passed environmental safety tests for direct disposal down the drain or in regular trash</i>
			<i>4. Ultra-sensitive: Much more sensitive than EtBr and SYBR® Safe</i>
			<i>5. Extremely stable: Available in water, stable at room temperature for long-term storage and microwavable</i>
			<i>6. Simple to use: Very simple procedures for precast or post-electrophoresis gel staining</i>



			7. Compatible with a standard UV transilluminator : <i>Replaces EtBr with no optical setting change</i>
			8. Compatible with downstream applications : <i>Compatible with gel purification, restriction digest, sequencing and cloning.</i>
			9. Each tube contains 0.5ml.
<b>75</b>	<b>pc</b>	<b>25</b>	<b>Geology Folding hand lens magnifier</b>
			<i>Magnification: 30x-21mm magnifier</i>
			<i>Material: Stainless steel handle</i>
			<i>Foldable</i>
			<i>Good quality</i>
<b>76</b>	<b>btl</b>	<b>5</b>	<b>Glacial Acetic Acid, Analytical Standard</b>
			<i>Certified analytical standard</i>
			<i>HPLC and GC suitable</i>
			<i>Size: 2.5L per bottle</i>
<b>77</b>	<b>box</b>	<b>2</b>	<b>Gloves, Nitrile, Large</b>
			☐ <i>Glove Type: Chemical Resistant Disposable Gloves</i>
			☐ <i>Glove Material: Nitrile</i>
			☐ <i>Powder-Free</i>
			☐ <i>1 box of 100 or 50 pairs</i>
			☐ <i>Food Safe</i>
			☐ <i>Size: large</i>
<b>78</b>	<b>btl</b>	<b>1</b>	<b>Glycine</b>
			☐ <i>Molecular biology, ≥99.0% assay quality</i>
			☐ <i>Suitable for protein analysis, SDS-PAGE and Western blot</i>
			☐ <i>DNases and Rnases free</i>
			☐ <i>Phosphatases and proteases free</i>
			☐ <i>Crystalline form</i>
			☐ <i>Bottle of at least 500g</i>
<b>79</b>	<b>pc</b>	<b>4</b>	<b>good quality Scalpel Handle #3</b>
			<i>stainless steel scalpel handle is used with scalpel blade # 11</i>
			<i>It has a curved cutting edge and a flat, notched back for a more secure hold</i>
			<i>It is used for plant tissue culture</i>
			<i>Good quality</i>
<b>80</b>	<b>pc</b>	<b>1</b>	<b>GPS Garmin eTrex 10</b>
			<i>Release Date in Philippines</i>
			<i>Model eTrex 10</i>
			<i>Date Oct 2011</i>
			<i>Display</i>
			<i>Display diagonal 5.59 cm (2.2")</i>
			<i>Touchscreen No</i>
			<i>Widescreen No</i>
			<i>Display resolution 128 x 160 pixels</i>
			<i>Display size (HxV) (imperial) 43.2 x 35.6 mm (1.7 x 1.4")</i>



			<p><i>Weight &amp; dimensions</i>  <i>Weight</i> 141.7 g  <i>Width</i> 54 mm  <i>Depth</i> 33 mm  <i>Height</i> 103 mm  <i>Power</i>  <i>Battery technology</i> Nickel-Metal Hydride (NiMH)  <i>Battery type</i> AA  <i>Battery life (max)</i> 25 h  <i>Number of batteries supported</i> 2  <i>Network</i>  <i>Bluetooth</i> No  <i>Navigation</i>  <i>Traffic Message Channel (TMC)</i> No  <i>Live service</i> No  <i>Waypoints</i> Yes  <i>Number of waypoints</i> 1000  <i>Routes quantity</i> 50  <i>Barometric altimeter</i> No  <i>Tracks quantity</i> 100  <i>Tracklog</i> Yes  <i>Electronic compass</i> No  <i>Photo navigation</i> No  <i>Area calculation</i> Yes  <i>Automatic routing</i> No  <i>GPS type</i>  <i>Marine (chartplotters, sounders)</i> No  <i>Sport (fitness, running)</i> No  <i>Outdoor (hiking, trekking)</i> Yes  <i>Geocaching (GPS stash hunt)</i> Yes  <i>Auto</i> No  <i>Aviation</i> No  <i>Design</i>  <i>Form factor</i> Handheld  <i>Water-resistant</i> Yes  <i>Performance</i>  <i>Built-in camera</i> No  <i>Image viewer</i> No  <i>Unit-to-unit transfer</i> No  <i>Sun &amp; moon information</i> Yes  <i>Hunt/fish calendar</i> Yes  <i>Tide tables</i> Yes</p>
81	btl	2	<b>Hexane 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle;</i>
82	pc	4	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			<i>6 inches; 0.01-0.025 mm accuracy;</i>
83	btl	1	<b>Histidine</b>
			<i>Analytical Reagent Grade 25g per bottle;</i>
84	pc	4	<b>Holder scalpel # 4</b>
			<i>stainless steel scalpel handle is used with scalpel blade #</i>



			22
			<i>It has a curved cutting edge and a flat, notched back for a more secure hold</i>
			<i>It is used for plant tissue culture</i>
			<i>Good quality</i>
85	btl	5	<b>Hydrochloric acid, HCl</b>
			<i>Analytical reagent grade, concentrated, 2.5L/bottle;</i>
86	btl	1	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>
87	unit	2	<b>Inspection Dissecting Trinocular Zoom Stereo Microscope</b>
			<i>Microscope + 144-LED Light</i>
			<i>7X-45X Super widefield zoom magnification power with crystal clear images</i>
			<i>1-1/4" (33mm) super widefield view and 4" (100mm) working distance</i>
			<i>144-LED ring light with a compact design and dimmer</i>
			<i>Sturdy all-metal pillar stand</i>
			<i>The trinocular port uses the third port for the camera capabilities, giving you the remaining two ports to view your specimen</i>
			<i>This is a trinocular stereo microscope with a 144-LED compact ring light with a built-in dimmer. The microscope has a super widefield optical system that provides a large zoom magnification power (6.5:1) and a large working distance (4", 100mm). The trinocular port uses the third port for camera capabilities, or a third party to view as well, giving you the remaining two ports to view your specimen. The 144-LED ring light has a compact design with a built-in dimmer, providing cool, even and bright LED illumination. This microscopy system is an ideal instrument for manufacturing engineers, lab technicians, gemologists, circuit board inspectors, and anyone in electronic and semiconductor industries. It is also the right microscope for biological laboratory applications that require low heat release.</i>
			<i>Features:</i>
			<i>A perfect stereo inspection microscope with a 144-LED compact ring light and built-in dimmer</i>
			<i>Variable, cool, even and bright 144-LED ring illumination</i>
			<i>7X-45X super wide zoom magnification power</i>
			<i>4" (100mm) extremely large working distance</i>
			<i>High resolution with great flatness and contrast, giving sharp and clear images</i>
			<i>Trinocular head with 45-degree inclined 360-degree swiveling eye tubes</i>
			<i>The trinocular port enables the easy use of camera capabilities</i>
			<i>30mm super widefield high-eyepoint eyepieces with 20</i>



			<i>mm field of view</i>
			<i>Sharp stereo erect images with a wide field of view</i>
			<i>Crystal clear, original true color microscope images</i>
			<i>Dual eye tubes with adjustable diopters</i>
			<i>Sturdy all-metal table stand</i>
			<i>Accurate alignment reduces eye strain for longer periods of viewing</i>
			<i>Full optical glass elements</i>
			<i>Precise ground glass lenses</i>
			<i>Full metal chrome-plated mechanical components</i>
			<i>Adjustable interpupillary distance</i>
			<i>Rubber eyeguards included</i>
			<i>Manufactured under ISO 9001 quality control standard</i>
			<i>Five (5) year manufacturer warranty for microscope</i>
			<i>Specifications:</i>
			<i>Head: 360 degree rotatable 45 degree inclined trinocular</i>
			<i>Eyepiece: 30mm super widefield high-eyepoint WH10X/20MM</i>
			<i>Zoom Range: 0.7X-4.5X</i>
			<i>Diopter Adjustment: +/- 5dp</i>
			<i>Interpupillary Distance: 2-3/16" - 2-15/16"(55-75mm)</i>
			<i>Working Distance: 4" (100mm)</i>
			<i>Widefield View: 1-1/4" (33mm) super widefield</i>
			<i>Illumination: 144-LED compact ring light</i>
			<i>Power Input: 110-240V, 50-60HZ, automatic switching</i>
			<i>Stand: 10" x 7-7/8" x 10.75" (254 x 200 x 275mm)</i>
			<i>Round Plate: 3-3/4" (95mm) in diameter</i>
			<i>Accessories: a pair of eye-guards</i>
			<i>Packing List:</i>
			<i>One Trinocular Stereo Zoom Head</i>
			<i>One Pair of Super Widefield 10X Eyepieces</i>
			<i>One 144-LED Compact Ring Light</i>
			<i>One Pillar Table Stand</i>
			<i>One Focusing Rack</i>
			<i>One Round Plastic Plate</i>
			<i>One Pair of Eye-Guards</i>
			<i>One Pair of Clips</i>
			<i>One Dust Cover</i>
			<i>User's Manual Download</i>
<b>88</b>	<b>btl</b>	<b>4</b>	<b>Iodine crystals</b>
			<i>Analytical Grade resublimed, 500g per bottle;</i>
<b>89</b>	<b>btl</b>	<b>1</b>	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>
<b>90</b>	<b>btl</b>	<b>1</b>	<b>Iron AAS Standard Solution in 0.5N HNO3</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>



			Appearance (Form)	Liquid
			Concentration (Fe)	1000 ± 50 mg/Ltr
			General Information	
			Storage	Room Temperature
			Shelf Life	36 Months
			Pack Size	250ml
91	btl	1	<b>Isopropanol</b>	
			Molecular grade/DNA Extraction	
			In 2.5 L Amber bottle	
92	pack	1	<b>Laboratory Weighing Boats</b>	
			☐Plastic, 100 mL	
			☐at least 100 pcs. pack	
93	btl	1	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	
			☐Suitable for manual, ultrasonic, and machine washing	
			☐Completely biodegradable	
			☐Free of phosphate, chlorine, enzyme, and EDTA	
			☐Contains anionic and cationic surfactants	
			☐5 liters per bottle	
94	btl	1	<b>Lactose</b>	
			AR. 500 grams;	
95	btl	1	<b>L-Alanine</b>	
			Specification	
			Packaging:	25 grams/ bottle
			Melting point:	314.5 °C
			alpha	14.5 ° (c=10, 6N HCl, dry sub.)
			Boiling point:	212.9±23.0 °C(Predicted)
			Density	1,432 g/cm <sup>3</sup>
			refractive index	1.4650 (estimate)
			FEMA	3818   DL-ALANINE
			storage temp.	2-8°C
			solubility	H <sub>2</sub> O: 100 mg/mL
			form	powder
			pka	2.34(at 25 °C)
			color	White to almost white
			PH	5.5-6.5 (100g/l, H <sub>2</sub> O, 20 °C)
			Odor	odorless
			Odor Type	odorless
			optical activity	[α] <sub>20/D</sub> +14.0±1°, c = 5% in 5 M HCl
			Water Solubility	166.5 g/L (25 °C)
			A <sub>max</sub>	λ: 260 nm A <sub>max</sub> : ≤0.03
				λ: 280 nm A <sub>max</sub> : ≤0.02
			Stability:	Stable. Incompatible with strong oxidizing agents.
			PAckaging : 25grams/ bottle	
96	btl	1	<b>Lead AAS Standard Solution</b>	
			Specifications	
			Appearance (Clarity)	Clear





			Appearance (Colour)	Colourless
			Appearance (Form)	Liquid
			Concentration (Pb) mg/Ltr	1000 ± 50
			General Information	
			Storage	Room Temperature
			Shelf Life	36 Months
			Pack Size	250mL
<b>97</b>	<b>btl</b>	<b>1</b>	<b>Lead Acetate</b>	
			Specifications:	
			Melting point:	75 °C (dec.)(lit.)
			Boiling point:	decomposes at >280 °C [KIR78]
			Density	3.3 g/cm <sup>3</sup>
			vapor pressure	15.7hPa at 25 °C
			storage temp.	2-8°C
			solubility (Slightly)	DMSO (Slightly), Methanol (Slightly)
			form	powder
			color	Clear colorless
			Water Solubility	g/100g H <sub>2</sub> O: 19.7 (0°C), 55.2 (25°C); equilibrium solid phase, Pb(CH <sub>3</sub> COO) <sub>2</sub> · 3H <sub>2</sub> O [KRU93]; g/100mL H <sub>2</sub> O: 44.3 (20°C), 221 (50°C) [KIR78]
			λ <sub>max</sub>	260nm(H <sub>2</sub> O)(lit.)
			Solubility Product Constant (K <sub>sp</sub> )	pK <sub>sp</sub> : 2.75
			Packaging: 5g/1 bottle	
<b>98</b>	<b>btl</b>	<b>1</b>	<b>Linoleic Acid</b>	
			Specification	
			Packaging:	5mL/ bottle
			Grade:	analytical grade
			Melting point:	-5 °C (lit.)
			Boiling point:	229-230 °C/16 mmHg (lit.)
			Density	0.902 g/mL at 25 °C (lit.)
			refractive index	n <sub>20/D</sub> 1.466(lit.)
			FEMA	3380   9,12- OCTADECADIENOIC ACID (48%) AND 9,12,15- OCTADECATRIENOIC ACID (52%)
			Flash point:	>230 °F
			storage temp.	Store below +30°C.
			solubility	NaOH: soluble1M
			pka	4.77(at 25 °C)
			form	liquid
			color	Clear yellow
			Odor	faint fatty
			Water Solubility	INSOLUBLE
			FreezingPoint	-5 °C
			Sensitive	Air Sensitive
			λ <sub>max</sub>	270nm(H <sub>2</sub> O)(lit.)



			<i>Dielectric constant 2.6 (0°C)</i>
			<i>Stability: Stable, but air and light sensitive. Combustible. Incompatible with strong oxidizing agents.</i>
			<i>Analytical Standard</i>
<b>99</b>	<b>Vial</b>	<b>2</b>	<b>Litmus Paper (Blue)</b>
			<i>Blue Litmus Test Paper</i>
			<i>Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH &lt;7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower.</i>
			<i>Strip Quantity: 100 strips</i>
			<i>Other: Additional sheet sizes available upon request</i>
			<i>Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]</i>
			<i>Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]</i>
			<i>Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)</i>
			<i>Weight: 0.02 lbs [9 g] (single vial)</i>
			<i>Other: Stored in a pocket-sized, lightweight vial.</i>
			<i>Shelf-Life: 3 Years Minimum</i>
<b>100</b>	<b>Vial</b>	<b>1</b>	<b>Loading Dye for Electrophoresis</b>
			<i>Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL</i>
<b>101</b>	<b>btl</b>	<b>1</b>	<b>Magnesium chloride, MgCl<sub>2</sub></b>
			☐ 1kg per bottle
			☐ colorless crystalline solid
			☐ Properties:
			◀ Quality Level: 300
			◀ Grade: anhydrous
			◀ Assay: ≥98%
			◀ Form: powder
			◀ Impurities: ≤0.5% Insolubles
			◀ bp: 1412 °C/1 atm (lit.)
			◀ mp: 714 °C (lit.)
			◀ Density: 2.32 g/mL at 25 °C (lit.)
<b>102</b>	<b>btl</b>	<b>1</b>	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>



			<ul style="list-style-type: none"> <li>● 1kg per bottle</li> <li>● colorless crystalline solid</li> <li>● Properties: <ul style="list-style-type: none"> <li>◀ Quality Level: 300</li> <li>◀ Grade: anhydrous</li> <li>◀ Assay: ≥98%</li> <li>◀ Form: powder</li> <li>◀ Impurities: ≤0.5% Insolubles</li> <li>◀ bp: 1412 °C/1 atm (lit.)</li> <li>◀ mp: 714 °C (lit.)</li> <li>◀ Density: 2.32 g/mL at 25 °C (lit.)</li> </ul> </li> </ul>
<b>103</b>	<b>btl</b>	<b>1</b>	<b>Manganese AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (Mn) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage</i>
			<i>Room Temperature</i>
			<i>Shelf Life</i>
			<i>36 Months</i>
			<i>Pack Size: 250ml</i>
<b>104</b>	<b>roll</b>	<b>15</b>	<b>Masking tape, autoclavable, for laboratory use</b>
			<i>1" wide x 55m length;</i>
<b>105</b>	<b>btl</b>	<b>3</b>	<b>Microcapillary tube</b>
			<i>diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes</i>
<b>106</b>	<b>pc</b>	<b>5</b>	<b>Microscope Slide Box</b>
			<i>capacity: holds up to 25 microscope slides</i>
			<i>dimension:9.4cm*8.2cm*3.2cm</i>
			<i>weight:56g</i>
			<i>material: plastic</i>
			<i>color: white</i>
<b>107</b>	<b>pc</b>	<b>2</b>	<b>Mini Light Meter</b>
			<i>200,000 LUX Digital Luxmeter Luminance Lux Fc Test</i>
			<i>Max-Min Illuminometers</i>
			<i>Illuminance Measurement: 0 to 199,900</i>
			<i>Lux 0 to 18,500 Fc</i>
			<i>Battery: 3x 1.5V (AAA)</i>
			<i>Power: 0.45W</i>
			<i>Handheld</i>
			<i>Data Hold</i>
			<i>LCD Backlight</i>
			<i>Auto power off</i>
			<i>Overload and low battery indicator</i>



108	unit	1	<b>Mortar and Pestle, Heavy Duty</b>
			☐Mortars with spout
			☐Material: Porcelain for both mortar and pestle
			☐Inside grinding surface unglazed
			☐Capacity: 145 mL, 90 x 70 mm
			☐Heat and cold resistant
109	pc	1	<b>Munsell Soil Color Charts</b>
110	btl	1	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>
111	btl	1	<b>Nickel AAS Standard Solution</b>
			Specifications
			Appearance (Clarity) Clear
			Appearance (Colour) Light blue
			Appearance (Form) Liquid
			Concentration (Ni) 1000 ± 50 mg/Ltr
			General Information
			Storage Room Temperature
			Shelf Life 36 Months
			Pack Size 250mL
112	btl	2	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g</b>
			☐CAS 485-47-2
			☐White solid
			☐50g
			☐Analytical Grade
113	btl	1	<b>Oleic Acid</b>
			Packing: 25mL/ 1 bottle
			Grade: Analytical Grade
			Melting point :13-14 °C(lit.)
			Boiling point :360 °C
			Density :0.89 g/mL at 25 °C(lit.)
			vapor density :1.03 (vs air)
			vapor pressure :52 mm Hg ( 37 °C)
			refractive index :n <sub>20/D</sub> 1.377
			FEMA :2815   OLEIC ACID
			Flash point :133 °F
			storage temp. :-20°C
			solubility :Miscible with ethanol, ether, acetone, chloroform, dimethyl formamide and dimethyl sulfoxide.
			form :Liquid
			pka :pKa 5.35(H <sub>2</sub> O,t=25) (Uncertain)
			Specific Gravity :0.892 (20/4 °C)
			color :Colorless to pale yellow
			Odor :Peculiar Lard-Like
			Odor Type :fatty
			Water Solubility :negligible
			Sensitive :Air Sensitive
			Hydrophilic-Lipophilic Balance (HLB) :1



			<i>Dielectric constant :2.5 (20 °C)</i>
			<i>Stability :Stable. Combustible. Incompatible with strong oxidizing agents, aluminium.</i>
			<i>Technical grade, 90%</i>
<b>114</b>	<b>pc</b>	<b>50</b>	<b>Pasteur pipette</b>
			<i>Specifications</i>
			<i>230mm Overall Length, 108mm Tip Length, 120 mm Body Length,</i>
			<i>Type 1 Clear Glass</i>
			<i>Non-sterile</i>
			<i>Max dispensing volume : 2mL</i>
			<i>No graduations</i>
<b>115</b>	<b>gal</b>	<b>1</b>	<b>Petroleum Ether, AR</b>
<b>116</b>	<b>pc</b>	<b>1</b>	<b>pH Meter pen type</b>
			<b>0.1 pH resolution</b>
			<b>water-resistant/proof</b>
<b>117</b>	<b>pack</b>	<b>7</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>
			<i>General description</i>
			<i>Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14</i>
			<i>pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.</i>
			<b>PROPERTIES</b>
			<i>Quality Level 100</i>
			<i>feature non-bleeding: no</i>
			<i>graduations and accuracy measuring range accuracy: 1 pH unit</i>
			<i>roll L 4.8 m , with color scale</i>
			<i>pH range 1-14</i>
			<i>detection method colorimetric</i>
			<i>storage temp. 15-25°C</i>
<b>118</b>	<b>btl</b>	<b>1</b>	<b>Phloroglucinol, 100g</b>
<b>119</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips, refill, 0.1-10 uL, 1000pcs/pack, short, clear</b>
<b>120</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips, refill, 2.0-200.0 uL, 1000pcs/pack, yellow or clear</b>
<b>121</b>	<b>pack</b>	<b>1</b>	<b>Pipette tips,refill, 100-1000 uL, 1000pcs/pack, blue or clear</b>
<b>122</b>	<b>pc</b>	<b>1</b>	<b>Portable pH Meter</b>



			<i>pH Range: -2.00 to 16.00 pH</i>
			<i>pH Resolution:0.01 pH</i>
			<i>pH Accuracy: ±0.01 pH</i>
			<i>pH Calibration: automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)</i>
			<i>mV Range: ±699.9 mV; ±1999 mV</i>
			<i>mV Resolution: 0.1 mV; 1 mV</i>
			<i>mV Accuracy: ±0.2 mV; ±1 mV</i>
			<i>Temperature Range: -20.0 to 120.0 °C, -4.0 to 248.0 °F</i>
			<i>Temperature Resolution: 0.1 °C, 0.1 °F</i>
			<i>Temperature Accuracy: ±0.4°C; ±0.8°F</i>
			<i>Temperature Compensation: manual or automatic from -20.0 to 120.0°C (-4.0 to 248.0°F)</i>
			<i>Slope Calibration: from 80 to 108% / ±1 pH</i>
			<i>pH Electrode: HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable</i>
			<i>Electrode/Probe: HI7662 stainless steel temperature probe with 1 m (3.3') cable (included)</i>
			<i>Input Impedance: 10<sup>12</sup> Ohms</i>
			<i>Battery Type / Life: 1.5V (3) AAA / approximately 200 hours of continuous use</i>
			<i>Auto-off: after 20 minutes of non-use (can be disabled)</i>
			<i>Environment: 0 to 50°C (32 to 122°F); RH max 100%</i>
			<i>Dimensions: 185 x 72 x 36 mm (7.3 x 2.8 x 1.4")</i>
			<i>Weight: 300 g (10.6 oz.)</i>
			<i>Ordering Information: Both supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet (20 mL),HI70007 pH 7.01 buffer sachet (20 mL),100 mL plastic beaker, 1.5V AAA batteries (3),instructions, and hard carrying case.</i>
<b>123</b>	<b>btl</b>	<b>1</b>	<b>Potassium AAS Standard Solution</b>
			<i>Specifications</i>
			<i>Appearance (Clarity) Clear</i>
			<i>Appearance (Colour) Colourless</i>
			<i>Appearance (Form) Liquid</i>
			<i>Concentration (K) 1000 ± 50 mg/Ltr</i>
			<i>General Information</i>
			<i>Storage Room Temperature</i>
			<i>Shelf Life 36 Months</i>
			<i>Pack Size 250mL</i>
<b>124</b>	<b>btl</b>	<b>1</b>	<b>Potassium antimony tartrate</b>
			<i>Analytical reagent grade, 500g/bottle;</i>
<b>125</b>	<b>btl</b>	<b>2</b>	<b>Potassium Bromide</b>
			☑ <i>Anhydrous</i>
			☑ <i>Lab grade/ Analytical reagent grade</i>
			☑ <i>Expiration date(3 years from the delivery date)</i>
			☑ <i>Packed in Teflon bottles</i>



126	btl	1	<b>Potassium chloride (KCl) solution, 500g/btl</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
127	btl	1	<b>Potassium Chloride 500g</b>
			☐Chemical must be plant tissue culture tested for at least 20 years
			☐ISO complaint
			☐ACS REAG
			☐PH EUR
			☐meets USP Standards
			☐Bioreagent suitable for cell culture
128	btl	2	<b>Potassium Chloride, AR, 1000g</b>
129	btl	2	<b>Potassium iodide, KI</b>
			☐Analytical reagent grade, powder, 500g/bottle
130	kg	3	<b>Potassium Nitrate</b>
			☐AR grade
			☐Formula: KNO <sub>3</sub>
			☐Molar wt: 101.1032 g/mo
			☐1kg/pack
131	btl	2	<b>Potassium Phosphate (KH<sub>2</sub>PO<sub>4</sub>) suitable for plant cell and tissue culture</b>
			500 grams
132	Vial	2	<b>Red Litmus Test Paper</b>
			<i>Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH &gt;7).</i>
			<i>Strip Quantity: 100 strips</i>
			<i>Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]</i>
			<i>Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]</i>
			<i>Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)</i>
			<i>Weight: 0.02 lbs [9 g] (single vial)</i>
			<i>Other: Stored in a pocket-sized, lightweight vial.</i>
			<i>Shelf-Life: 3 Years Minimum</i>
133	set	1	<b>Relative Humidity meter</b>
			<i>Product Specifications</i>
			<i>Weight 100-120 Grams (g)</i>
			<i>Usage Temperature &amp; Humidity Meter</i>
			<i>Accuracy : +-2.0%rh</i>



			<i>Product Type Humidity Meter</i>
			<i>Display Type Analog And Digital</i>
			<i>Color Black and Grey</i>
			<i>Material Stainless Steel</i>
			<i>Product Description</i>
			<i>Temperature &amp; Rh Meter</i>
			<i>TEMPERATURE / HUMIDITY TRANSMITTER</i>
			<i>ER WITH RS-485 INTERFACE (MODEL HTX-3000)</i>
			<i>Microcontroller based design.</i>
			<i>Input for T and %RH from Rotronic make Hygroclip S3</i>
			<i>Isolated 4-20mA proportional and linearized for both T and RH.</i>
			<i>MODBUS RTU serial interface.</i>
			<i>4-20mA retransmission output for both T and RH.</i>
			<i>Bright red LED display.</i>
			<i>IP 65 ABS plastic enclosure.</i>
			<i>Operates on 12 to 36VDC.</i>
<b>134</b>	<b>vial</b>	<b>1</b>	<b>RNase A</b>
			<i>certified free of contaminating DNases, RNases, phosphatases, and nickases for improved sample security</i>
			<i>Catalog No.: PC0713-500mg</i>
			<i>Pack size: 500 mg/vial</i>
			<i>Appearance: White lyophilized powder; a chromatographically purified, lyophilized powder</i>
			<i>Molecular mass: 13.7 kDA (Amino Acid Sequence)</i>
			<i>Extinction coefficient: E 1% = 7.1% (280 nm)</i>
			<i>Isoelectric point: pI: 9.6</i>
			<i>Optimum temperature: 60°C</i>
			<i>Optimum pH: 7.5</i>
			<i>Inhibitors: Ribonuclease inhibitor</i>
			<i>Activity: (Kunitz): ≥ 60 units/mg protein</i>
<b>135</b>	<b>box</b>	<b>12</b>	<b>Scalpel Blade, box of 50's</b>
			<input checked="" type="checkbox"/> <i>Stainless steel</i>
			<input checked="" type="checkbox"/> <i>100 blades/box</i>
<b>136</b>	<b>pack</b>	<b>30</b>	<b>Silica Gel Desiccant</b>
			<i>* Blue Beads * 500 grams/pack;</i>
<b>137</b>	<b>btl</b>	<b>1</b>	<b>Silver Nitrate, AgNO<sub>3</sub></b>
			<i>Analytical reagent grade, 100g/bottle;</i>
<b>138</b>	<b>set</b>	<b>1</b>	<b>Smart Dissolved Oxygen Meter</b>
			<i>Specifications:</i>
			<i>O<sub>2</sub> Range 0.0 to 19.9 mg/l</i>
			<i>O<sub>2</sub> Resolution 0.1 mg/l</i>
			<i>O<sub>2</sub> Accuracy ±1.5% Full scale</i>
			<i>Calibration manual on 2 points (zero and slope)</i>
			<i>Temperature Compensation automatic, from 0 to 30°C</i>
			<i>Probe MA840 (included)</i>





			<i>Environment 0 to 50°C/ 32 to 122°F; max RH 95%</i>
			<i>Battery-operated</i>
<b>139</b>	<b>btl</b>	<b>1</b>	<b>Sodium Acetate (NaOAc)</b>
			<i>500g/bottle</i>
			<i>Purity % - 99%</i>
			<i>Grade Standard - Lab Grade</i>
<b>140</b>	<b>btl</b>	<b>3</b>	<b>Sodium Bicarbonate</b>
			☐ <i>Sodium Bicarbonate Powder</i>
			◀ <i>USP Pharmaceutical Grade</i>
			◀ <i>CAS: 13-34799</i>
			◀ <i>HIGHEST QUALITY</i>
			◀ <i>Aluminum Free</i>
			◀ <i>1-kg bottle</i>
<b>141</b>	<b>btl</b>	<b>1</b>	<b>Sodium Chloride</b>
			<i>Analytical Reagent Grade 500g per bottle</i>
<b>142</b>	<b>btl</b>	<b>1</b>	<b>Sodium chlorite, technical grade 80%, 100g</b>
<b>143</b>	<b>btl</b>	<b>7</b>	<b>Sodium Hydroxide, AR 500G</b>
			☐ <i>500 g/bottle, AR, Pellets;</i>
<b>144</b>	<b>btl</b>	<b>5</b>	<b>Sodium Hydroxide, Technical Grade, 1KG, Pellets</b>
			☐ <i>Technical grade, pellets, 1 kg;</i>
<b>145</b>	<b>unit</b>	<b>1</b>	<b>Soil Dispersion Mixer for Hydrometer Analysis</b>
			<i>Motor: 1/3hp</i>
			<i>Revolutions per minute: 13,000, 16,000, 18,000rpm speeds</i>
			<i>Electrical: 220-240V/50-60Hz, 1.3Amps</i>
			<i>Product Dimensions: 6.5x6.75x20.5in (165x171x521mm) WxDxH</i>
			<i>Estimated Shipping Weight: 17.0lb (7.71kg)</i>
<b>146</b>	<b>kit</b>	<b>1</b>	<b>Soil DNA extraction kit, 50 preps</b>
			<i>isolates total DNA from diverse soil types; silica membrane technology; handling through centrifugation; sample material used: sediment, sludge, soil</i>
			<i>Item No.: 740780.50</i>
			• <i>Parameter: NucleoSpin® Soil</i>
			• <i>Selling unit: 50 preps</i>
			• <i>Kit Components: Lysis buffer SL1 (60 mL), Lysis buffer SL2 (60 mL), Lysis buffer SL3 (10 mL), Enhancer SX (10 mL), Binding buffer SB (60 mL),</i>
			<i>Wash buffer SW1 (30 mL), Wash buffer SW2 (Concentrate)* (25</i>
			<i>mL), Elution buffer SE** (13 mL), MN Bead Tubes Type A (50),</i>
			<i>NucleoSpin Inhibitor Removal Columns (red rings) (50),</i>
			<i>NucleoSpin Soil Columns (green rings) (50), Collection Tubes</i>
			<i>(2 mL) (50), Collection Tubes (2 mL, lid) (50), User manual (1)</i>



			<ul style="list-style-type: none"> <li>• <i>Format: Mini spin columns</i></li> </ul>
			<ul style="list-style-type: none"> <li>• <i>Sample: &lt; 500 mg of soil or sediment</i></li> </ul>
			<ul style="list-style-type: none"> <li>• <i>Yield: 2-10 µg</i></li> </ul>
			<ul style="list-style-type: none"> <li>• <i>Elution volume: 30-100 µl</i></li> </ul>
			<ul style="list-style-type: none"> <li>• <i>Binding capacity: 50 µg</i></li> </ul>
			<ul style="list-style-type: none"> <li>• <i>Use: for research use only</i></li> </ul>
<b>147</b>	<b>kg</b>	<b>1</b>	<b>stearic acid, technical grade</b>
<b>148</b>	<b>pc</b>	<b>1</b>	<b>Stirring Hot Plate (220-240/50-60Hz)</b>
			<i>Temperature Range: 30°–540°C (86°–1,004°F)</i>
			<i>Revolutions per Minute: 50–1,500rpm</i>
			<i>Weight Limit: 25lb (11.3kg)</i>
			<i>Display: LED display</i>
			<i>Material: Top Plate: Ceramic</i>
			<i>Electrical: MA-1827: 100-120V / 50-60Hz, 12 Amps, 1,440 Watts, 1 Phase</i>
			<i>MA-1827F: 220-240V / 50-60Hz, 4.4 Amps, 1,056 Watts, 1 Phase</i>
			<i>Platform Size: 7.25 x 7.25in (184.2 x 184.2mm) WxD</i>
			<i>Product Dimensions: 8.2 x 14.2 x 4.1in (208.3 x 361 x 104.1mm), WxDxH</i>
			<i>Estimated Shipping Weight: 11.0lb (4.99kg)</i>
<b>149</b>	<b>btl</b>	<b>3</b>	<b>Sucrose</b>
			<i>Analytical Reagent Grade 500g per bottle</i>
<b>150</b>	<b>btl</b>	<b>4</b>	<b>Sulfuric Acid - 95-98%</b>
			☐ <i>Free from suspended or insoluble matter</i>
			☐ <i>Nominally 95-98% H<sub>2</sub>SO<sub>4</sub></i>
			☐ <i>1 bottle contains 2.5L</i>
<b>151</b>	<b>btl</b>	<b>2</b>	<b>Tertiary Butyl Alcohol (TBA), Technical, 1L/btl</b>
			<i>tert-Butanol, synthesis grade</i>
			<i>(CH<sub>3</sub>)<sub>3</sub>COH</i>
<b>152</b>	<b>pc</b>	<b>100</b>	<b>Test Tube, Borosilicate Glass, Rimless, 20 x 150 mm</b>
<b>153</b>	<b>unit</b>	<b>4</b>	<b>Thermohygrometer, Digital, Indoor, Touch Panel</b>
			<i>Temp. Range : -20°C - 70°C (14°F-158°F)</i>
			<i>Temp. Acc.: ±1°C±2°F</i>
			<i>Humidity Range : 20%-95%</i>
			<i>Humidity Acc. : ±5%</i>
			<i>Humidity Resolution: 0.1°C</i>
			<i>10s Refresh Rate</i>
<b>154</b>	<b>pc</b>	<b>4</b>	<b>Thumb Tissue Forcep for Dissection</b>
			<i>Features:</i>
			<i>Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2</i>
			<i>teeth: 8 inches long</i>
			<i>Thumb Tissue Forcep are used to grasp, hold, and manipulate tissue during surgical procedures. Surgical Thumb Tissue Forceps feature two blades designed to grasp tissue and come in a variety of handle styles,</i>



			<i>lengths, and jaw patterns.</i>
<b>155</b>	<b>box</b>	<b>1</b>	<b>TLC Plate, Silica Gel 60 F254, box of 25's</b>
			<i>General description</i>
			<i>25 Glass plates 20 x 20 cm</i>
			<i>Analysis Note</i>
			<i>Specific surface area (according to BET; 5-Pt.measurement): 480 - 540 m<sup>2</sup>/g</i>
			<i>Pore volume(N<sub>2</sub>-isotherm):0.74 - 0.84 ml/g</i>
			<i>d 50 (laserdiffraction, size distribution): 9.7 - 11.7 μm</i>
			<i>Layerthickness: 210 - 270 μm</i>
			<i>Deviationof layer thickness per plate: ≤ 35 μm</i>
			<i>Chromatographic testing:</i>
			<i>A) colourtest</i>
			<i>hRf-values</i>
			<i>- bleu viforganol, colour test, lipophile: 11 - 25</i>
			<i>- CeresBlack G, colour test, lipophile: 34 - 48</i>
			<i>- ceresViolet brn, colour test, lipophile: 52 - 67</i>
			<i>separationnumber (colour test, lipophile): ≥ 10.5</i>
			<i>B)Steroid test</i>
			<i>hRf-values</i>
			<i>- Hydrocortisone, steroid test: 25 - 37</i>
			<i>- Reichstein S, steroid test: 37 - 49</i>
			<i>- Methyltestosterone, steroid test: 42 - 54</i>
			<i>Typical value determined on a conditioned plate</i>
			<i>Eluent A) Toluene (45% rel. humidity)</i>
			<i>Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity)</i>
			<b>PROPERTIES</b>
			<i>Material, glass support</i>
			<i>silica gel 60 matrix</i>
			<i>Quality Level: 100</i>
			<i>feature</i>
			<i>binder Organic Polymer</i>
			<i>fluorescent indicator</i>
			<i>pkg of 25 plates</i>
			<i>thin layer chromatography (TLC): suitable</i>
			<i>layer thickness: 250 μm</i>
			<i>plate L × W: 20 cm × 20 cm</i>
			<i>particle size: 10-12 μm</i>
			<i>pore size: 60 Å medium pore diameter</i>
			<i>storage temp.: 2-30°C</i>
<b>156</b>	<b>btl</b>	<b>2</b>	<b>Toluene</b>
			☐(CAS 108-88-3)
			☐2.5 liters,
			☐Analytical Grade
			☐99.5%,
<b>157</b>	<b>btl</b>	<b>1</b>	<b>Tryptophan</b>
			<i>Analytical Reagent Grade 500g per bottle;</i>



158	pc	3	<b>Vernier Caliper</b>
			☐Measurement Range:0-200mm
			☐Material:Stainless Steel
			☐Accuracy:0.01mm
			☐Caliper Type:Digital Calipers
159	pc	1	<b>Water Quality Test Meter</b>
			☐2 in 1 kit, with calibration packets and user's manual
			◀1 TDS meter
			◀1 pH meter
			☐Hand-held and portable, pen-sized
			☐Color: yellow (pH) + blue (TDS)
			☐Material: plastic + metal
			☐Size: length 15.4cm
			☐Accurate reading
			☐Good quality
			☐Durable
160	btl	1	<b>Zinc Chloride, Analytical Grade, 500g/btl</b>
			☐AR grade, 500 g per bottle;
161	tube	1	<b>zirconium oxide beads, 0.5 mm: pkg. of 50</b>
162	lot	1	<b>1 LOT OF LABORATORY CENTRAL &amp; SIDE BENCH</b>
			<b>(1 unit) Central Bench (2000*1240*900) (L*D*H) (mm)</b>
			Frame: steel structure;
			Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;
			Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;
			Slideway: three section slide rail, no noise;
			Hinges: open type high quality hinges, self-closing.
			Handle: aluminum dark type handle;
			<b>(2 units) Central Bench L*D*H (2000*1240*900) (mm)with reagent rack shelf and top cupboards</b>
			Frame: steel structure;
			Cabinet: use high quality galvanized steel sheet ,surface coated with epoxy powder;
			Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;
			Slideway: three section slide rail, no noise;
			Hinges: open type high quality hinges, self-closing.
			Handle: aluminum dark type handle; with reagent rack shelf and top cupboards;
			<b>(2 units) Side Bench (2000*700*900) (L*D*H) (mm)</b>
			Frame: steel structure;
			Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;
			Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge



			sealing;
			Hinges: open type high quality hinges, self-closing.
			Handle: aluminum dark type handle;with 3 pcs sockets and covers, 220V.
			<b>(2 units) Side Bench with Sink and Pegboard (1240*700*900) (L*D*H) (mm)</b>
			Frame: steel structure;
			Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder;
			Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;
			Hinges: open type high quality hinges, self-closing.
			Handle: aluminum dark type handle; with one set pp sink 550*450*310mm + three way outlet faucet; with 1 set water drop pegboard;
163	lot	1	<b>1 lot Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+</b>
			<b>Vernier Caliper, External Micrometer Measuring Set (35,000.00) + Cylinder 1000ml (10,000.00)+ Analog Multimeter (10,000.00)= PhP 55,000.00</b>
			1. Metric Vernier Caliper, External Micrometer Measuring SetS (Calibrated) (5 sets) (PhP 35,000.00)
			Product Details
			It consists of a vernier caliper and a micrometre screw gauge, both made entirely from hardened stainless steel. This ensures you hardwearing tools that are also corrosion-resistant.
			The dual scale on the vernier caliper allows you to choose whether to take your readings in imperial or metric format. You can be sure of accurate measurements thanks to its fine adjustment mechanism, with lock screws to hold it in place for precise reading. The micrometre screw gauge comes in very accurate 0.01 mm reading ranges for pinpoint computations. It also has a compression ring and ratchet stop mechanism to prevent jams and preserve the lifespan of the tool. This measuring set is suitable for general workshop use as well as In laboratories and classrooms.
			Specifications
			Attribute: Value
			Set Contents: Vernier Caliper, External Micrometer
			Maximum Micrometer Measurement: 25 mm
			Maximum Caliper Measurement: 150 mm
			Imperial or Metric: Imperial, Metric





																										
			<p><b>2. 1000ml Glass Measuring Cylinder With Graduated (Calibrated) 10 units ( PhP 10,000.00)</b></p> <p>1, Capacity 1000 ml,</p> <p>2, Standard:ISO international standard</p> <p>3, Material: borosilicate glass 3.3</p>																							
			<p><b>3. Analog Multimeter - 10 units (PhP 1000.00 Each) (PhP 10,000.00)</b></p>																							
			<p>Specifications</p> <table border="0"> <tr> <td>Function</td> <td>Measuring range</td> </tr> <tr> <td>DCV</td> <td>0.1 (20kΩ/V) 0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)</td> </tr> <tr> <td>DCV (NULL)</td> <td>±5/25V (40kΩ/V)</td> </tr> <tr> <td>ACV</td> <td>10/50/250/750 (9kΩ/V)</td> </tr> <tr> <td>DCA</td> <td>50μ/2.5m/25m/0.25A</td> </tr> <tr> <td>Resistance</td> <td>2k/20k/200k/2MΩ (x1/x10/x100/x1k) 200MΩ (x100k)</td> </tr> <tr> <td>Capacitance</td> <td>10μF</td> </tr> <tr> <td>dB</td> <td>-10dB ~ +22dB (for 10VAC) ~ +62dB</td> </tr> <tr> <td>Load current (LI)</td> <td>0-150m/15m/1.5m/150μ/1.5μA</td> </tr> <tr> <td>DC high voltage</td> <td>DC25kV (optional probe "HV-10T" is necessary)</td> </tr> <tr> <td>hFE</td> <td>1000 at x10 range (optional probe "HFE-6T" is necessary)</td> </tr> </table> <p>Battery R6 (IEC) or UM-3 (1.5V)x2 Fuse Φ5.2x20mm (250V/0.5A) Size/Mass H159.5×W129×D41.5mm/Approx. 320g</p>	Function	Measuring range	DCV	0.1 (20kΩ/V) 0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)	DCV (NULL)	±5/25V (40kΩ/V)	ACV	10/50/250/750 (9kΩ/V)	DCA	50μ/2.5m/25m/0.25A	Resistance	2k/20k/200k/2MΩ (x1/x10/x100/x1k) 200MΩ (x100k)	Capacitance	10μF	dB	-10dB ~ +22dB (for 10VAC) ~ +62dB	Load current (LI)	0-150m/15m/1.5m/150μ/1.5μA	DC high voltage	DC25kV (optional probe "HV-10T" is necessary)	hFE	1000 at x10 range (optional probe "HFE-6T" is necessary)	
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164	pc	6	10 ml Type 1, class A borosilicate glass Beaker																							




165	pc	6	1000 ml Type 1, class A borosilicate glass Beaker
166	pc	6	25 ml Type 1, class A borosilicate glass Beaker
167	pc	6	250 ml Type 1, class A borosilicate glass Beaker
168	lot	1	<b>2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater</b>
			<i>Lot: 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater - Warmer Upgrade (PhP 180,000.00+ PhP 50,000.00= PhP 230,000.00)</i>
			<b>1. 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 (PhP 180,000.00)</b>
			<i>Description:</i>
			<i>Low electrical noise. Independent second channel for objective heaters or incubator lids. Can be used with Temperature controlled microscope stages, heated. Compatible with objective heater.</i>
			<i>plastic-encapsulated external probes (optional): no metal ions leakage into solutions</i>
			<i>Stability 0.01°C self-adjusting</i>
			<i>Multiple temperature probes: allow to stabilize temperature in large volumes (Petri dishes)</i>
			<i>Overheating protection: no risk to burn the heating stage or destroy your sample</i>
			<i>Analog Output to monitor temperature</i>
			<i>Analog and RS232 Input to set and program temperature</i>
			<i>No noise: suitable for electrophysiological recordings</i>
			<i>Standby mode</i>
			<i>No vibrations during imaging and recording - no internal fan</i>
			<i>Can be used with objective heaters. Most heating stages work as inline solution pre-heaters. Can be used with flow control and perfusion systems. Includes connecting cables.</i>
			<b>Specifications:</b>
			<i>Range: room to 150°C, with accuracy of 0.1°C</i>
			<i>Temperature probes: optional miniature 0.87mm diameter (fits small volume chambers); plastic-encapsulated</i>
			<i>Stability: 0.01°C; required for sensitive applications: nano/piezo positioning, confocal imaging</i>
			<i>Settings: self-adjusting; flexible, allow to stabilize temperature in different sample volumes and heating stage sizes; allow to regulate output from 0 up to 96W per channel - prevents temperature overshoot and provides dual overheating protection</i>
			<i>Feedback: Stage or External BATH probe</i>
			<i>Output: 12V 4A max, per channel; 18V and 24V upon request</i>



			<p><i>Input: 100-240VAC</i></p> <p><i>Dimensions: 8x4x9in.</i></p>
			
			<p><b>2. Objective Heater - Warmer Upgrade (PhP 50,000.00)</b></p>
			<p>Description:</p> <p>A thin flexible polyimide heater for any microscope objective. Used with oil or water immersion optics. Built-in temperature sensor. Easy to attach and remove. Simply wrap the heater around objective and secure with included Velcro tape. The heater is usually attached to a cylindrical surface of the objective, closer to the sample. The controller stores two settings in its memory for different size objectives.</p>
			<p>Compatible with temperature controller.</p>
			<p><b>Specifications:</b></p>
			<p><i>Dimensions: 0.5/0.25in. wide x 5/10in long (around objective surface)</i></p>
			<p><i>Temperature stability: 0.01°C, self-adjusting, required for sensitive applications: nano/piezo positioning or confocal imaging</i></p>
			<p><i>Dual overheating protection: regulated power output down to 0W; settings eliminate temperature overshoot; adjustable temperature threshold</i></p>
			<p><i>Easy to install: Fits any objective</i></p>
			





			<b>3. Tabletop 6x 50 ml High Speed Centrifuge (Php 80,000.00)</b>
			<b>Description:</b>
			- Brushless motor
			- Microprocessor control
			- Max. Speed- 8000- 30000 rpm
			<b>Specifications:</b>
			- Brushless motor
			- Microprocessor control
			- Max. Speed- 8000- 30000 rpm
			Power Supply: AC220 V 50 Hz
			Display: LCD
			Max. Rcf: 1870 xg
			Noise: <65 dB
			Consumption: 350 W
			Dimensions: 500 x 440 x 330 mm
			
169	pc	6	<b>500 ml Type 1, class A borosilicate glass Beaker</b>
170	btl	1	<b>Ammonia, NH<sub>3</sub></b> <i>Concentrated, Analytical reagent grade, 2.5L/bottle</i>
171	pack	3	<b>Ammonium Acetate, AR, 500g</b>
172	btl	2	<b>Ammonium Fluoride</b> ☐ White crystalline ☐ ACS reagent, ≥98.0% ☐ 500g
173	btl	1	<b>ammonium meta vanadate, AR&gt;, 500g/btl</b>
174	btl	1	<b>ammonium molybdate</b> <i>ammonium molybdate, analytical reagent - 500 g.</i>
175	btl	1	<b>Ammonium Sulfate, 500g/btl.</b> ☐ Anhydrous ☐ Lab grade/ Analytical reagent grade ☐ Expiration date(3 years from the delivery date) ☐ Packed in Teflon bottles
176	unit	2	<b>Analytical Balance, digital</b> <i>capacity-200 grams; accuracy-0.001g readability 0.001g with certificate of calibration</i>
177	unit	1	<b>Analytical Balance, at least 220g capacity</b> ☐ 4 decimal places ☐ Automatic Internal Calibration, LCD back-lit display ☐ Capacity: 220g



			<ul style="list-style-type: none"> <li>●Readability: 0.1 mg</li> <li>●Repeatability (std dev): 0.1 mg</li> <li>●Linearity (+/-): 0.2 mg</li> <li>●Pan size (mm/inch): 90 Ø/3.5Ø</li> <li>●Response time: 3 sec</li> <li>●Calibration: Perfect Self Auto Calibration (temperature / time /power on)</li> <li>●Display: Bright LCD Display with LED backlight</li> <li>●Unit of measure: gram, Milligram</li> <li>●Tare Range: Full</li> <li>●Operating Temperature: 10°C to 40°C</li> <li>●Dimension (WXDXH) mm : 342.5X212x341</li> <li>●Power Supply: AC Adapter 100V- 240V +/- 20% 50-60Hz</li> <li>●Net weight with Packing: 8 kgs</li> <li>●Packing Dimension (WXDXH) mm: 500 x 380 x 510 / 19.6" x 14.9"x 20"</li> </ul>
178	pc	2	<b>Autoclavable Pipetter of Single Channel, 0.2-2 ul, good-quality, brand new</b>
179	pc	2	<b>Autoclavable Pipetter of Single Channel, 100-1000 ul, good quality, brand new</b>
180	pc	2	<b>Autoclavable Pipetter of Single Channel, 10-100 ul, good quality, brand new</b>
181	pc	2	<b>Autoclavable Pipetter of Single Channel, 1-10 ul, good-quality, brand new</b>
182	pc	2	<b>Autoclavable Pipetter of Single Channel, 20-200 ul, good quality, brand new</b>
183	unit	1	<b>Autoclave</b>
			<p>external dimension (mm): 455 x 691 x 890 Dimensions (mm): 364 x 482 Canned body capacity: 50.2 L Temperature range (variable equation): Sterilization / 105 to 135 ° C, dissolved / 60 to 100 ° C, Insulation / 45 to 60 ° C Pressure gauge: Digital / 0 to 0.3 MPa Analog / 0 to 0.4 MPa Timer: Sterilization / 1 to 300 minutes, dissolution / 1 to 60 minutes, Reservation / 1 hour to 99 hours Selection course: Liquid, agar, equipment, and dissolution Function: air vent double sensing system, forced cooling, water discharge bottle full water, detection, exhaust level adjustment (four stages), auto cut-off memory (12 Data) Safety device: Pressure safety valve, leakage current, overcurrent breaker and error display (Air heater, temperature sensor disconnection, overtemperature, overcooling, overpressure, Lid / exhaust valve / heater abnormality) power supply: AC100V 20 A Weight: About 62 kg Accessories: stainless steel round wire mesh basket x 2 pieces, drainage bottle x 1 piece duckboard x 1 piece caster stopper x 2 pieces Heteroclave Freight, carrying, installation and assembly costs are required separately. Please contact us * This</p>



			product is not a medical device Model Number: HG-50 LB
184	pc	2	<b>Beaker, Glass, 1000mL</b>
			☐1000mL capacity, borosilicate glass;
185	pc	24	<b>Beaker, Glass, 100mL</b>
			☐100mL capacity, borosilicate glass;
186	pc	1	<b>Beaker, Glass, 2000mL</b>
			☐2000mL capacity, borosilicate glass;
187	pc	3	<b>Beaker, Glass, 500mL</b>
			☐500mL capacity, borosilicate glass;
188	pc	24	<b>Beaker, Glass, 50mL</b>
			☐50mL capacity, borosilicate glass;
189	kg	1	<b>Boric Acid, Analytical Reagent</b>
190	pack	4	<b>Centrifuge (Conical) Tubes, 15mL Capacity</b>
			☐With graduations and marking spot.
			☐Screwcap (plugseal)
			☐Sterile. RNase-/DNase-free.
			☐Non-pyrogenic
			☐Polyethylene terephthalate (PET) material
			☐At least 3600 centrifugal force (x g)
			☐Pack of 50 Tubes
191	pack	4	<b>Centrifuge (Conical) Tubes, 50mL Capacity</b>
			☐With graduations and marking spot.
			☐Screwcap (plugseal)
			☐Sterile. RNase-/DNase-free.
			☐Non-pyrogenic
			☐Polyethylene terephthalate (PET) material
			☐At least 3600 centrifugal force (x g)
			☐Pack of 25 Tubes
192	btl	1	<b>Cesium Chloride</b>
			CAS: 7647-17-8
			Form: Colourless or white deliquescent crystals or powder or beads or chunk
			Pack Size: 25g
			Packaging Type: glass bottle
			Grade: AR quality
193	kg	1	<b>citric acid, technical grade</b>
194	pc	1	<b>Digital Vernier Caliper</b>
			Electromagnetic induction type absolute encoder and Advanced Onsite Sensor (AOS) technology;
			Range: 200 mm;
			Resolution: 0.01 mm.
			Power supply: : Button-type silver oxide battery
			SR44
195	unit	2	<b>Emergency Eye Washer with Shower</b>
			Material: stainless steel;
			Emergency shower: 304 stainless steel inlet pipes/s stay-



			open ball valve with s/s actuating arm s/s pull rod & s/s shower head;
			Eye wash: 304 stainless steel inlet pipe, s/s stay-open ball valve with flag handle & s/s eye wash bowl;
			Spray head: Chemical resistant PP/Solid brass,built-in stainless steel filter to remove impurities from water;
			Foot treadle stainless steel
<b>196</b>	<b>pcs</b>	<b>6</b>	<b>Erlenmeyer Flask 125ml.</b>
			Material:
			borosilicate glass
			bottom (baffled)
			wide-mouth
<b>197</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 1L</b>
<b>198</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 250mL</b>
			☐Material: Borosilicate Glass
			☐Good Quality
<b>199</b>	<b>pc</b>	<b>6</b>	<b>Erlenmeyer Flask, Glass, 500ml</b>
			☐Material: Borosilicate Glass
			☐Good Quality
<b>200</b>	<b>box</b>	<b>1</b>	<b>Filter paper, #1</b>
			qualitative analysis
			125 mm diameter
			at least 100 pcs. per box
<b>201</b>	<b>box</b>	<b>1</b>	<b>Gloves, Nitrile, Small</b>
			☐box or 100-50 pairs, small
			☐natural rubber latex-free, powderless
			☐micro grip
<b>202</b>	<b>pc</b>	<b>1</b>	<b>Gravity Convection Oven</b>
			Chamber Material: Aluminum
			Display: Analog
			Dimensions (D x W x H) Interior: 11.5 x 16 x 16.2 in. (29 x 41 x 41cm)
			Dimensions (L x W x H) Exterior: 13.5 x 18.5 x 22.5 in. (34 x 47 x 57cm)
			Temperature Range: Ambient +5° to 210°C
			Temperature Control: Bimetallic thermostat
			Power source:220- 240V 50/60Hz
			Certifications/Compliance:UL/cUL listed
<b>203</b>	<b>pc</b>	<b>5</b>	<b>Lab Gown Long Sleeves L</b>
			☐Lab Coat High-quality White
			☐Size- Large; long sleeves
<b>204</b>	<b>pack</b>	<b>4</b>	<b>Microcentrifuge Tubes (1.5mL Capacity)</b>
			☐1.5mL Capacity
			☐clear
			☐safe-lock
			☐pack of 1000
			☐autoclavable



<b>205</b>	<b>pack</b>	<b>4</b>	<b>Microcentrifuge Tubes (2.0mL Capacity)</b>
			☐2.0mL Capacity
			☐clear
			☐safe-lock
			☐pack of 1000
			☐autoclavable
<b>206</b>	<b>pack</b>	<b>4</b>	<b>Micropipette Tip, 10 uL</b>
			☐10 uL-capacity
			☐Standard tip, graduated
			☐Autoclavable
			☐Pack of 1000 tips
<b>207</b>	<b>pack</b>	<b>4</b>	<b>Micropipette Tip, 1000 uL</b>
			☐capacity, 1000 uL
			☐Standard tip, graduated
			☐Autoclavable
			☐Pack of 1000 tips
<b>208</b>	<b>pack</b>	<b>4</b>	<b>Micropipette Tip, 200 uL</b>
			☐capacity, 200 uL
			☐Short tip, graduated,
			☐Autoclavable
			☐Pack of 1000 tips
<b>209</b>	<b>unit</b>	<b>2</b>	<b>Microwave Oven, 30L</b>
			☐30 Liters Microwave Oven
			☐Quick Defrost
			☐Push Bottom + Knob + Digital
			☐Automatic Programmes
			☐5 Power Levels
			☐LED White Color
			☐Turntable Size: 315mm
			☐Voltage: 230V
			☐Frequency: 60Hz
			☐Microwave Power: 100W
<b>210</b>	<b>unit</b>	<b>1</b>	<b>MIni CERTRIFUGE</b>
			☐Description:
			◀Quiet & Compact
			◀Spins multiple micro sample tube sizes
			◀Ideal for Quick Spin-Downs
			◀Fast Starting & Stopping
			☐Specifications:
			◀RPM: 6,600 rpm
			◀RCF: 2,200 xg
			◀Microtube Rotor: 2 x 8-strips or 16 x 0.2mL tubes
			◀Dimensions (WxDxH): +4°C to 50°C
			◀Electrical: 100V to 230VAC, 50/60 HZ, 0.1 A
			◀Warranty: 1 year
<b>211</b>	<b>unit</b>	<b>1</b>	<b>Orbital Shaker</b>
			Model:OS – 20Range of rotation:40 – 200rpm



			Max load:2kg(without clamp)
			Orbital diameter:20mmDisplay:LED display
			Operation mode:Timing / continuous running
			Timing range:1min – 19h59min
			Allowable ambient temp range:5 – 40°C
			Allowable relative humidity:80% DIN EN60529
			protection method:IP20
			Size:270*330*130mmVoltage/Frequency:100 – 240VAC
			50/60HzMotor input/output power:200W / 10W
212	unit	2	<b>pH Meter with complete specification</b>
			Specifications:Parameters Measured:pH/ mV (ORP)/°C
			Range pH: (-2.00~19.99) PH
			mV: (0± 1999) Mv Temp: (0.0~80.0)° C
			Resolution pH: 0.01PHmV: ± 1mV
			Temp: 0.01° C
			Accuracy pH: ± 0.01ph± 1bit
			mV: ± 0.1mV± 1bit
			Temper: ± 0.01° C
			Stability: (± 0.01pH± 1bit)/3h
			Temperature Compensation: Manual/Auto (0.0~80.0)° : LCD, dual parameter
			Power: Universal power adapter (12V DC, 1.0mA)
213	btl	4	<b>Potassium dichromate, AR Grade</b>
			■500 grams/poly bottle;
214	btl	2	<b>Potassium dihydrogen phosphate, AR, 500g/btl</b>
215	btl	1	<b>Potassium sulfate, K<sub>2</sub>SO<sub>4</sub></b>
			Analytical reagent grade, 500g/bottle;
216	pack	5	<b>Qualitative filter paper, Grade 1 or its equivalent</b>
			☐Material: cellulose filters, circles
			☐Pack Size: 100 pcs
			☐Parameter: 0.25 psi wet burst
			☐Diameter :25 mm
			☐Thickness: 180 μm
			☐Pore size: 11 μm (Particle retention)
			☐Basis weight: 87 g/m <sup>2</sup>
217	set	1	<b>Sieve no.10 with cover and pan</b>
			☐Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 μm (0.0787in)
			☐Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)
			☐Sieve Cover (8" Brass Sieve Cover Lid)
218	kg	3	<b>sodium carbonate</b>
			sodium carbonate - analytical grade, 1.00 kg
219	kg	2	<b>sodium chloride, technical grade</b>
220	btl	5	<b>Sodium Hexametaphosphate, 500g</b>
221	bag	5	<b>Sodium Hydroxide, Technical Grade, Flakes 25kgs/bag</b>
222	set	1	<b>Soil Test Kit</b>
223	pc	1	<b>Stainless Steel Laboratory Microspatula</b>



224	btl	2	<b>Strontium Chloride</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles at 500g
225	btl	1	<b>Sulfuric acid, H<sub>2</sub>SO<sub>4</sub></b>
			☐Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle
226	pc	30	<b>Test Tube (Small), Glass, 12 x 75mm</b>
			☐12x75 mm glass (borosilicate)
227	pc	2	<b>Test tube/ Bottle Cleaning Brush</b>
228	unit	2	<b>Top Loading Weighing Scale</b>
			☐Usage/Application: Laboratory
			☐Capacity: 6 kg
			☐accuracy: 0.01g
			☐Display: Digital
229	liter	1	<b>Triethanolamine, AR</b>
230	pc	5	<b>Volumetric Flask 100ml</b>
			☐100 mL (±0.01 mL)
			☐Borosilicate glass with glass standard taper stopper,
			☐Class A
			☐Calibrated
231	pc	2	<b>Vortex Mixer, 220V QL-901, 2800RPM</b>
			<b>Rebidding (from VSU-GOODS-24-09)</b>
232	lot	1	<b>2 Unit of Digital Electric Stereo Microscope with Camera Lucida</b>
			Specifications:
			<b>HARDWARE</b>
			AR tilting trinocular tube SZX2-ARTTR • Angle of observation tube: 5 to 45 degrees
			• Maximum power consumption: 10 W
			• Interpupillary distance adjustment range: 57 to 80 mm
			• Equipped with eyepiece clamping knob
			• Light-path switching mechanism: present
			Eyepiece magnification: 1.25X; camera magnification: 1X
			• Functions of buttons on the front panel: AR image brightness adjustment (7 levels) and AR image ON/OFF
			Input connectors: HDMI x 1, USB 2.0 (Type-C) x 1, DC jack x 1
			• Drive voltage: AC 100–240 V (AC adaptor)
			• Camera lucida adapter: present
			• Camera lucida included: yes
			Zoom magnification sensor Main Functions:
			• Set the zoom magnification (at click positions only)
			• Move slides created on the software forward and backward
			• Output connector: USB 2.0 Type-C



			Recording:
			• File saving formats: mp4, mov; Video codec: H264
			• Audio format: MP3; Audio codec: mp3
233	lot	1	<b>2 Whole Plastinated Cat specimen ,1 Whole plastinated cat specimen,3D Cat Model,3D frog Anatomy,3D Human Anatomy Introduction, 3D Bird Anatomy, 3D fish anatomy</b>
			Specification:
			> 2 Whole Plastinated Cat specimen -Dissected model exposing the anatomy of the neck, thoracic regions, abdominal organs, along with musculature of the upper forelimbs and hindlimbs
			Approximate length: 14 to 18 inches
			>1 Whole plastinated cat specimen Model showing superficial muscles of the cat
			> 3D cat model- The 3D Cat Anatomy software is an interactive model that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.
			> 3D frog anatomy. The 3D Frog Anatomy software is an interactive model of an American bullfrog ( <i>Rana catesbeiana</i> ) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.
			>3D Human Anatomy Introduction -The 3D Human Anatomy Introduction software consists of an interactive model of the human body, created especially for students, teachers and healthcare professionals.
			>3D Bird Anatomy -The 3D Bird Anatomy software (desktop version) is an interactive anatomical model of a pigeon. This tool allows you to visualize bones, muscles and internal organs, as well as details of the bird's external anatomy.
			>3D fish anatomy The 3D Fish Anatomy software is an interactive model of a perch ( <i>Perca flavens</i> ) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption or removed to permit viewing of deeper structures.
234	lot	1	<b>35 lab chairs , 5 aluminum shelves</b>
			<b>35 pcs. Stacking Chair</b>
			Width: 20 inches





			Height: 32 1/2 inches
			Arms: Without Arms
			Assembled: Assemble Required
			Back: With Back
			Color: Black
			Features: Stackable
			Frame Color: Silver
			Frame Material: Steel
			Padded Seat: Without Padded Seat
			Seat Material: Plastic
			Shape: Rectangle
			Style: Solid Back
			Type: Chairs
			Usage: Breakroom Indor
			<b>5 pcs. 5-Layer Steel Cabinet with Glass Sliding Doors</b>
			Product specifications
			Color: Beige, Light Gray, Offwhite
			Material/s Used: Ga24 Metal Sheet, Heavy Duty Ball Bearing Rollers, Powdercoated Painting Flnish
			Dimension (WxDxH): 900X4000X1850
235	Vial	1	<b>4-Nitrophenol or p-Nitrophenol</b>
			Analytical standard
			Powder or crystal form
			HPLC suitable
			Vial of 1g
236	gal	2	<b>Acetone</b>
			■ Acetone, Technical Grade
			■ 1gal
237	pc	2	<b>Amber Reagent Bottle, 100mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 100mL
238	pc	2	<b>Amber Reagent Bottle, 500mL</b>
			With Stopper/Screw Cap
			Material: Glass/Borosilicate Glass
			Capacity: 500mL
239	btl	1	<b>Automatic tilt measure ,Sulphuric acid</b>
			Automatic tilt measure
			with rubber stopper and storage bottle 500 ml
			for 10 ml sulphuric acid
240	btl	1	<b>Automatic tilt measure, Amyl alcohol</b>
			Automatic tilt measure Superior
			with rubber stopper and storage bottle 250 ml
			for 1 ml amyl alcohol
241	btl	1	<b>Barfoed's Reagent Solution 1000mL</b>
			Technical Reagent Grade 1000mL per bottle
242	btl	2	<b>Benedict's Solution 1000mL</b>



			<i>Technical Reagent Grade 1000mL per bottle;</i>
<b>243</b>	<b>set</b>	<b>1</b>	<b>Biological Safety Cabinet- Class I</b>
			<i>suitable for work involving low to moderate risk agents (Biosafety Levels 1, 2 and 3) where there is a need for containment, but not for product protection.</i>
			<i>the HEPA filter included protects the environment by filtering air before it is exhausted</i>
			<i>With the negative pressure, personnel protection is made possible by constant movement of air into the work area</i>
			<i>Specifications:</i>
			<i>UV lamp for sterilization</i>
			<i>Soft touch control panel, LCD display</i>
			<i>Energy-saving, high efficiency, low noise.</i>
			<i>With memory function in case of power-failure.</i>
			<i>304 stainless steel work stable, easy for cleaning.</i>
			<i>Stable air flow system; provide firm protection to person and environment.</i>
			<i>External Size: (W*D*H), mm: 900*713*1250mm</i>
			<i>Internal Size:(W*D*H), mm: 900*713*1250mm</i>
			<i>Voltage: 220V (AVR included)</i>
<b>244</b>	<b>box</b>	<b>1</b>	<b>Blood Lancets g.23 box of 200</b>
<b>245</b>	<b>bag</b>	<b>1</b>	<b>Boiling Stone or Chips</b>
			<i>■1000pcs/bag Glass Marbles High Precision Lab Glass Beads Used in distillation to prevent liquid level boiling</i>
<b>246</b>	<b>pc</b>	<b>3</b>	<b>Butyrometer for milk 0-10%</b>
			<i>Milk butyrometer 0 – 10 %: 0.1 (accessory: 3280), glass</i>
<b>247</b>	<b>btl</b>	<b>1</b>	<b>Carbon Disulfide 500mL</b>
			<i>Analytical Reagent Grade 500mL per bottle</i>
<b>248</b>	<b>gal</b>	<b>2</b>	<b>Chlorine</b>
			<i>Liquid;</i>
<b>249</b>	<b>btl</b>	<b>2</b>	<b>Chloroform 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>250</b>	<b>pc</b>	<b>40</b>	<b>Condom or Rubber Sheath</b>
			<i>material: Latex rubber</i>
<b>251</b>	<b>unit</b>	<b>1</b>	<b>Custom oligo primers</b>
			<i>■HPLC-CE purified</i>
<b>252</b>	<b>btl</b>	<b>1</b>	<b>Cyclohexene</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>253</b>	<b>unit</b>	<b>1</b>	<b>Deep Freezer w/ surge protector (AVR)</b>
			<i>Specifications:</i>
			<i>&lt; Rated Voltage: 230V</i>
			<i>&lt; Rated Frequency: 60Hz</i>
			<i>&lt; Rated Power Input: 216W</i>
			<i>&lt; Rated Current: 1.OA</i>
			<i>&lt; Weight: 51kgs</i>
			<i>&lt; Refrigerant/ Amount: R134a/125g</i>
			<i>&lt; Climate: T</i>



			< Classification of Anti- electric Shock: OI
			< Volume-365 L
			< Energy Consumption-1.78Kw-h/24h
			< Stainless Steel
			<7 cubic meters
			< -50 degrees Celsius (Negative 50 degrees Celsius)
			< Dual Compartment
			< Any Color
			< With Safety Lock
			< Interior Light
<b>254</b>	<b>unit</b>	<b>1</b>	<b>Dial Instant-Read Kitchen Thermometer (Bimetal)</b>
			Reads in 15-20 seconds
			Place 2 - 2 1/2 deep in the thickest part of food
			Can be used in roasts, casseroles, and soups
			Temperature is averaged along probe, from tip to 2-3" up the stem
			Cannot measure thin foods unless inserted sideways
			Not designed to remain in food while it is cooking
			Use to check the internal temperature of a food at the end of cooking time
			Can be calibrated
<b>255</b>	<b>unit</b>	<b>1</b>	<b>Digital Weighing Scale- 0.01-5kg</b>
			☐Capacity: 0.01g to 5kg
			☐Type: Laboratory Balance
			☐Power Supply: 100-240V/50-60H
			☐Size: 320*205*100mm
<b>256</b>	<b>pc</b>	<b>5</b>	<b>Drager Aspirator Bulb</b>
<b>257</b>	<b>canister</b>	<b>3</b>	<b>Ethyl Alcohol (95%)</b>
			☐Container size: Plastic waterjug (20L)
<b>258</b>	<b>pack</b>	<b>1</b>	<b>Filter paper</b>
			Specifications:
			-Glass microfiber filters
			- Diameter: 47 mm
			-Pore size: 1.2 μm or 1.5 μm
			-100 pcs per pack
<b>259</b>	<b>btl</b>	<b>1</b>	<b>Formaldehyde</b>
			Analytical Reagent Grade 2.5L per bottle;
<b>260</b>	<b>set</b>	<b>1</b>	<b>Giemsa stain set</b>
			Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml
<b>261</b>	<b>box</b>	<b>15</b>	<b>Glass Jar 8oz</b>
			☐Clear
			☐8oz
			☐M-7177
			☐with cap
			☐24pcs/box



262	box	3	<b>Gloves, Nitrile, Medium</b>
			☐ <i>Glove Type: Chemical Resistant Disposable Gloves</i>
			☐ <i>Glove Material: Nitrile</i>
			☐ <i>Powder-Free</i>
			☐ <i>1 box of 100 or 50 pairs</i>
			☐ <i>Food Safe</i>
			☐ <i>Size: Medium</i>
263	btl	1	<b>Glycerin 1L/Bottle, AR</b>
264	pc	2	<b>Graduated Cylinder, Glass, 1000mL</b>
			☐ <i>Material: Borosilicate Glass</i>
			☐ <i>Good Quality</i>
265	pc	7	<b>Graduated Cylinder, Glass, 100mL</b>
			☐ <i>Type 1, Class A Borosilicate Glass</i>
266	pc	7	<b>Graduated Cylinder, Glass, 250mL</b>
			☐ <i>Material: Borosilicate Glass</i>
			☐ <i>Good Quality</i>
267	pc	2	<b>Graduated Cylinder, Plastic, 1000mL</b>
			<i>Plastic, 1000ml (1L) capacity for Particle Size Analysis</i>
268	set	2	<b>Hemaquick Stain</b>
269	pc	5	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			<i>6 inches; 0.01-0.025 mm accuracy</i>
270	unit	1	<b>Hygrometer Thermometer Indoor Humidity Monitor, Temperature Humidity Meter Room Thermometer Gauge In</b>
			<i>* Power supply: Station:2 x AAA 1.5V batteries(not included); Sensor: 2 x AAA 1.5V batterie(Battery not included).</i>
			<i>* Backlight LCD Display</i>
			<i>* with Remote Sensor</i>
271	btl	1	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>
272	unit	1	<b>Laboratory Refrigerator</b>
273	unit	1	<b>Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM, 5000 mL maximum stirring capacity</b>
274	pc	20	<b>Laboratory Stool/Chair, Wheeled</b>
275	unit	4	<b>Laboratory working table</b>
			<i>Frame: steel structure; Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder; Table top: made of 12.7mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing; Hinges: open type high quality hinges, self-closing; Handle: aluminum dark type handle, with 3 pcs sockets and covers, 220V</i>
277	btl	2	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>
			☐ <i>Suitable for manual, ultrasonic, and machine washing</i>
			☐ <i>Completely biodegradable</i>
			☐ <i>Free of phosphate, chlorine, enzyme, and EDTA</i>
			☐ <i>Contains anionic and cationic surfactants</i>



			<ul style="list-style-type: none"> <li>●5 liters per bottle</li> </ul>
<b>278</b>	<b>btl</b>	<b>1</b>	<b>Lithium Chloride</b>
			<ul style="list-style-type: none"> <li>●Anhydrous</li> <li>●Lab grade/Analytical reagent grade</li> <li>●Expiration date(3 years from the delivery date)</li> <li>●Packed in Teflon bottles</li> </ul>
<b>279</b>	<b>btl</b>	<b>7</b>	<b>Malt Yeast Extract Agar</b>
			<ul style="list-style-type: none"> <li>●Applications: Yeasts and molds selective enumeration, yeasts and molds selective isolation</li> <li>●pH: 4.7±0.2 at 25°C</li> <li>●solubility: without rests</li> <li>●Appearance: fine powder</li> <li>●100 grams</li> </ul>
<b>280</b>	<b>lot</b>	<b>1</b>	<b>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo</b>
			Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo,,Dissection pans with wax, Dissection pans with wax, Bone saw, Teasing needles, Dissect, Serrated forceps, Thumb forceps, Fine-tip forceps, Scalpel handle, boxes Surgical blades , Mayo Dissecting scissors,
			Push carts, Sedgewick-Rafter Counting Cell
			Item Specification
			<b>2 pcs. Manual sphygmomanometer</b>
			with calibration key
			Measure scope 0-300mmHg
			Accuracy: +/-33mmHg
			Sub-division: 2mmHg
			<b>2 pcs. Digital sphygmomanometer/Automatic Blood Pressure Monitor</b>
			clinically validated
			body movement detection
			blood pressure level indicator
			irregular heartbeat detection
			measurement memory storage
			average for last 3 readings within 10 minutes
			intellisense technology
			<b>2 pcs. Pulse oximeter</b>
			Pulse Rate, Blood Oxygen Saturation (SpO2), Heart Rate
			Measurement range: 70~99%
			Resolution: 1% Power Source:
			Rechargeable Accuracy: 3% (70%~99%)
			Measurement range: 30~240 bpm
			Resolution: 1% Accuracy: 2bpm or 2% (select larger)
			Low Perfusion: 0.4%
			Working Current: 30mA
			Dimension & Weight: 58*36*33mm, 32g



			<b>2 pcs Stop Watch</b>
			Large screen. display
			Counts up to 24 hours with a resolution of 1/100 second
			with lap function, alarm, clock, and calendar
			Includes battery
			<b>10 pcs. Alcohol Thermometer 200 °C</b>
			unit scale: degree Celsius
			range: max 200 degree Celsius
			length: approx 30cm
			material: traditional glass
			alcohol thermometer mounting: tube type
			Item Specification
			<b>&gt;10 pcs. Dissection pans with wax</b> Dimensions: 16x9 inches- Aluminum/stainless steel material
			<b>&gt;20 pcs. Dissection pans with wax</b> 10x7.5 inches- Aluminum/stainless steel material
			<b>&gt;5 pcs. Bone saw</b>
			<b>&gt;30 pcs. Teasing needles</b> Stainless steel handle with a straight metal probe
			<b>&gt;30 pcs. Dissecting probe</b> Stainless steel handle with a bent needle
			<b>&gt;30 pcs. Serrated forceps</b> Stainless steel material, medium points, serrated tips -6 inches long
			<b>&gt;30 pcs. Thumb forceps</b> Stainless steel material, smooth tip
			<b>&gt;30 pcs. Fine-tip forceps</b> Stainless steel material, straight tip
			<b>&gt;40 pcs. Scalpel handle (size 4) without blade</b> Stainless steel material with satin finish
			<b>&gt;2 boxes Surgical blades</b> Size 21
			<b>&gt;1 box Surgical blade</b> Size 10
			<b>&gt;1 box Surgical blade</b> Size 11
			<b>&gt;30 pcs. Mayo Dissecting scissors</b> Stainless steel material, straight bladed scissors
			<b>&gt;30 pcs. Mayo dissecting scissors</b> Stainless steel material, Curved bladed scissors
			<b>&gt;5 pcs. Push carts</b> Stainless steel With wheels 30inches height 3 layers
			<b>5pcs. Sedgewick-Rafter Counting Cell</b>
			Item Specification
			Material: Brass and Glass
			Lenght (") 3
			Sample volume: 1.0 ml, cell size 50x201x1mm
			Width(cm): 2.54
			Lenght (cm): 7.62
			Description: Gridded Sedgewick-Rafter Counting Cell, brass, 1.0ml
<b>281</b>	<b>btl</b>	<b>1</b>	<b>Methyl orange, Sodium salt</b>



			<ul style="list-style-type: none"> <li>● 25g per bottle</li> <li>● Orange Solid, Crystalline</li> <li>● Analytical Grade</li> </ul>
<b>282</b>	<b>unit</b>	<b>2</b>	<b>Microscope with Camera Lucida with Storage Cabinet</b>
			<i>Stereo microscope with drawing tube (camera lucida) and dry storage cabinet</i>
			<i>Specification:</i>
			<i>Zoom ratio: 10:1</i>
			<i>Zoom range: 0.75x-7.5x</i>
			<i>Zoom control: Dual, graduated, bilateral amount</i>
			<i>Focus: Course and fine focus</i>
			<i>Magnification: 7x-45x (10x eyepieces)</i>
			<i>Viewing head: Tilting ergonomic binocular viewing head</i>
			<i>Revolving nosepiece: manual, standard type</i>
			<i>Extendable Eyepoint adjuster: yes</i>
			<i>Camera port: yes, camera mount adapter</i>
			<i>Attachment for drawing tube: yes</i>
			<i>Drawing tube or camera lucida: yes, detachable</i>
			<i>Transmitted light stand: yes - brightfield/darkfield light base</i>
			<i>Primary light: 6V 30W</i>
			<i>Accessory light: 6V 30W</i>
			<i>Light type: Halogen</i>
			<i>Stage plate: clear and black</i>
			<i>Objective dust cover: yes</i>
			<i>Power cord: yes</i>
<b>283</b>	<b>pc</b>	<b>5</b>	<b>Mixing bowl Stainless Steel</b>
			<i>Features: 1. Made of premium stainless steel, shiny, scratch-resistant, rust-resistant. 2. It won't stain or absorb odors,</i>
			<i>size: 5L, 12 cm Hx26cmHx26cmWx26cmD</i>
<b>284</b>	<b>btl</b>	<b>2</b>	<b>Molybdic acid (sodium salt) (Na<sub>2</sub>MoO<sub>4</sub>, 2H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>500grams per bottle, AR;</i>
<b>285</b>	<b>unit</b>	<b>1</b>	<b>Nerve Muscle Assembly/ Kymograph Assembly</b>
			<i>Specification:</i>
			<i>Universal Kymograph (speeds 0.12, 0.25, 1.25, 2.5, 12.5, 25, 320, 640 mm/sec) with inbuilt Stimulator</i>
			<i>Muscle and heart Bath with pair of electrodes, lever assembly, pin and ink marker</i>
			<i>Hook and weight set, set of 11g</i>
			<i>Hook and weight set, set of 110g</i>
			<i>Time marker</i>
			<i>Marriote bottle and stand</i>
			<i>Kymograph paper</i>
			<i>Dissection box</i>
			<i>Dissection tray</i>
			<i>Pithing needle</i>



			Muscle clip
			Connecting wire
<b>286</b>	<b>btl</b>	<b>1</b>	<b>Paraformaldehyde</b>
			☐ Reagent or analytical grade
			☐ Crystalline form
			☐ Bottle of 25g
<b>287</b>	<b>pc</b>	<b>45</b>	<b>Pasteur pipette</b>
			Specifications
			230mm Overall Length, 108mm Tip Length, 120 mm Body Length,
			Type 1 Clear Glass
			Non-sterile
			Max dispensing volume : 2mL
			No graduations
<b>288</b>	<b>unit</b>	<b>1</b>	<b>pH / Temperature Laboratory Bench Meter</b>
			◀ Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures
			◀ Easy to read large custom LCD
			◀ Easy and Quick Push-button Calibration
			◀ 7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration
			◀ Messages on the LCD to make the calibration easy and accurate
			◀ User-selectable "calibration time out" to remind when a new calibration is necessary
			◀ Stability Indicator prompts whenever reading stabilizes.
			☐ Moreover, it offers an extended temperature range from -20°C (-4°F) to 120°C (248°F), using the MA831R interchangeable temperature probe.
			☐ Specific Details:
			◀ Range: pH -2.00 to +16.00 pH
			◀ Temp.: -20.0 to +120oC / -4.0 to +248oF
			◀ Resolution: pH 0.01pH
			◀ Temp.: 0.1oC (0.1oF)
			◀ Accuracy: pH +/- 0.01 pH (@20oC / 68oF) Temp.: +/- 0.4oC / +/- 0.8oF
			◀ Typical EMC pH: +/- 0.02 pH
			◀ Deviation Temp.: +/- 0.4oC / +/- 0.8oF
			◀ pH Automatic Calibration: 1 or 2 point calibration, with 7 memorised buffers
			◀ Offset Calibration: +/- 1 pH
			◀ Slope Calibration: from 80 to 108%
			◀ Temperature Compensation: automatic, from -20.0 to +120oC / -4.0 TO +248oF or manual, without temperature probe
			◀ pH electrode: MA 917B/1 (included) double junction refillable glass pH electrode





			<p>◀ <i>Temperature probe: MA 831R (included) Environment: 0 to 50oC / 32 to 120.0oF; max. RH 95% Input impedance: 10<sup>12</sup> ohm</i></p>
			<p>◀ <i>Power supply: 12 VDC power adaptor (supplied)</i></p>
			<p>◀ <i>Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.</i></p>
<b>289</b>	<b>btl</b>	<b>1</b>	<b>Pharmaceutical Agar, AR, 500g/bottle</b>
<b>290</b>	<b>kit</b>	<b>2</b>	<b>phi25 DNA polymerase, RCA kit</b>
<b>291</b>	<b>pack</b>	<b>2</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>
			<p><i>Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14</i></p>
			<i>PROPERTIES</i>
			<p><i>Quality Level 100</i></p>
			<p><i>feature non-bleeding: no</i></p>
			<p><i>graduations and accuracy measuring range accuracy: 1 pH unit</i></p>
			<p><i>roll L 4.8 m , with color scale</i></p>
			<p><i>pH range 1-14</i></p>
			<p><i>detection method colorimetric</i></p>
			<p><i>storage temp. 15-25°C</i></p>
<b>292</b>	<b>pack</b>	<b>1</b>	<b>Pipette Tips (20 ul)</b>
			<p>■ <i>20 ul capacity</i></p>
			<p>■ <i>autoclavable</i></p>
			<p>■ <i>100 pcs per pack</i></p>
<b>293</b>	<b>set</b>	<b>1</b>	<b>Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case</b>
			<p><i>Specification:</i></p>
			<p><i>Backlit display for nighttime use</i></p>
			<p><i>Built-in calibration button for displaying the average of saved test results</i></p>
			<p><i>Multi-language display</i></p>
			<p><i>Higher-frequency, capacitive circuit improves accuracy</i></p>
			<p><i>Moisture range: 5% to 40% depending on grain tested</i></p>
			<p><i>Temperature range: 32° to 113°F (0° to 45°C)</i></p>
			<p><i>Repeatability &amp; Accuracy: ± 0.5% in normal moisture range for stored grain</i></p>
			<p><i>Single-point or Precision multi-point calibration to match local elevator</i></p>
			<p><i>Direct readout for 40 different grain scales</i></p>
			<p><i>Case color: Black</i></p>
			<p><i>Material: Plastic</i></p>
			<p><i>Power source: Battery-powered</i></p>
			<p><i>Voltage: 9 Volts</i></p>
			<p><i>Certification: certified frustration-free</i></p>
			<p><i>Battery included: yes</i></p>
			<p><i>Includes Protective carrying case with shoulder strap</i></p>
			<p><i>with warranty</i></p>
<b>294</b>	<b>unit</b>	<b>1</b>	<b>Portable Suction Machine</b>
			<i>Suction Machine</i>



			Power voltage: 220v/60Hz
			Lightweight and Portable
			For use in bronchial and oral hygiene to provide effective airway clearance and control infection
			Oil-free Pump
			Heavy Duty
			Power voltage: AC 220V
			Negative pressure: $\geq 0.075\text{Mpa}$
			Suction rate: $\geq 19\text{L/min}$
			Negative pressure regulating range: $-0.013 \sim -0.07\text{MPa}(490\text{mmHg})$
			Suction bottle: 1000ml
			Noise: $\leq 65\text{dB}$
			Input Power: 150VA
			Pump Structure: Self-lubrication without oil
			Working type: Intermision
295	btl	2	<b>Potassium dichromate, AR Grade</b>
			☐500 grams/poly bottle
296	box	1	<b>Razor Blade, Box of 25pcs</b>
297	kit	1	<b>Reverse transcriptase, 200000 units/ml concentration, 10000 units/tube/kit</b>
298	kit	1	<b>RNA Extraction kit for soil samples</b>
			50 reactions in the kit
299	box	3	<b>Scalpel Blade</b>
			☐Stainless steel
			☐100 blades/box
300	btl	1	<b>Seliwanoff's Reagent</b>
			Technical grade (100mL per bottle)
301	tube	5	<b>Shelby Tube, 2.5in Diameter X 36in Long</b>
			Note: Size is OD. All tubes are 16 gauge steel.
			3" and 5" tubes are galvanized
302	bag	2	<b>Silver Aluminum Foil Zip Lock Pouches</b>
			Color: silver
			Size: approx. 7*5cm
			Quantity: 100pcs
			Boil-able, freezable and reusable Not transparent, high reflection
303	btl	1	<b>Sodium Iodide</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
304	unit	1	<b>Soft Ice Cream Machine</b>
			Voltage: 110V/60Hz
			Total Power: 1000W
			Ice Cream Output: 2.6-5.3 Gal / 10-20 L per Hour
			Hopper Capacity: 1.2 Gal / 4.5 L



			<i>Cylinder Capacity: 0.4 Gal / 1.6 L</i>
			<i>Compressor: 430W Embraco</i>
			<i>Refrigerant: R290a</i>
			<i>Working Temperature: 41-95 °F / 5-35 °C</i>
			<i>Product Dimensions: 21.7"x8.3"x26.8"/550x210x680 mm</i>
			<i>Product Weight: 99.2 lbs / 45 kg</i>
<b>305</b>	<b>btl</b>	<b>1</b>	<b>Strontium Chloride</b>
			☐ <i>Anhydrous</i>
			☐ <i>Lab grade/ Analytical reagent grade</i>
			☐ <i>Expiration date(3 years from the delivery date)</i>
			☐ <i>Packed in Teflon bottles at 500g</i>
<b>306</b>	<b>kit</b>	<b>1</b>	<b>Taq DNA Polymerase, 5000U</b>
			☐ <i>Certified molecular biology grade</i>
			☐ <i>For PCR analysis</i>
			☐ <i>Concentration: 5U/uL</i>
			☐ <i>Kit includes 25mL each of 10x PCR buffer and 50mM MgCl<sub>2</sub></i>
			☐ <i>Size: 1mL</i>
<b>307</b>	<b>pc</b>	<b>5</b>	<b>Test Tube Racks, 12mm x 12Holes</b>
			<i>Stainless Steel Holes Test Tube Rack</i>
<b>308</b>	<b>btl</b>	<b>1</b>	<b>TRIS-base, pH 8, molbio grade, 500g/bot</b>
<b>309</b>	<b>set</b>	<b>1</b>	<b>Veterinary Gas Anesthesia Machine</b>
			<i>Suitable for animals (e.g., dogs and cats).</i>
			<i>Rebreathing and non-rebreathing circuit.</i>
			<i>With trolley</i>
			<i>With patient monitor</i>
			<i>With oxygen concentrator</i>
			<i>With endotracheal tube</i>
			<i>With laryngoscope</i>
			<i>Soda lime and Isoflurane</i>
			<i>Power: 220V supply voltage and 60Hz</i>
			<i>Inclusions: Accessories, Automatic Voltage Regulator, free in-house training</i>
<b>310</b>	<b>pc</b>	<b>3</b>	<b>Volumetric Flask 100ml</b>
			☐ <i>100 mL (±0.01 mL)</i>
			☐ <i>Borosilicate glass with glass standard taper stopper,</i>
			☐ <i>Class A</i>
			☐ <i>Calibrated</i>
<b>311</b>	<b>pc</b>	<b>5</b>	<b>Volumetric Flask 10ml</b>
			☐ <i>10 mL (± 0.02 mL)</i>
			☐ <i>Class A</i>
			☐ <i>Borosilicate Glass with Glass Standard Taper Stopper</i>
			☐ <i>calibrated</i>
<b>312</b>	<b>pc</b>	<b>5</b>	<b>Volumetric Flask 50ml</b>
			☐ <i>50mL, (±1mL)</i>
			☐ <i>Borosilicate glass with glass standard taper stopper,</i>
			☐ <i>Class A</i>



			☑ <i>Calibrated</i>	
<b>313</b>	<b>pc</b>	<b>10</b>	<b>weighing pan, rectangular 260mm, 200 mm</b>	
			VSU	
<b>314</b>	<b>pc</b>	<b>1</b>	<b>Digital Caliper</b>	
			<i>high quality Stainless steel Vernier Calliper (millimeter and inches size) size:12"(0-300mm) high in quality genuine product Digital Calliper</i>	



***Section VIII. Checklist of Technical and  
Financial Documents***

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

1. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);

#### Technical Documents

2. Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
3. Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid in the amount of *at least 50% of the ABC or at least Three Million One Hundred Seventy Five Thousand Nine Hundred Eighty Three and 50/100 Pesos (PhP 3,175,983.50)*;

**or**

Statement of at least two (2) similar completed contracts, the aggregate amount of which should be equivalent to *at least 50% of the ABC* or *at least Three Million One Hundred Seventy Five Thousand Nine Hundred Eighty Three and 50/100 Pesos (PhP 3,175,983.50)* and the largest of these similar contracts must be equivalent to at least half of the said aggregate amount or *at least One Million Five Hundred Eighty Seven Thousand Nine Hundred Ninety One and 75/100 Pesos (PhP 1,587,991.75)*; **and**

4. Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;

**or**

Original copy of Notarized Bid Securing Declaration; **and**

5. Conformity with the Technical Specifications; **and**
6. Schedule of Requirements/production and delivery schedule; **and**
7. Manpower requirements; **and**
8. After-sales service/parts; **and**

9. Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

10. The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
11. The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) – at least equal to ABC (**PhP 6,351,967.00**);

**or**



A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (at least 10% of ABC or **PhP 635,196.70**).

**II. FINANCIAL COMPONENT ENVELOPE**

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

**Guidelines on the Preparation of Electronic Bid (e-Bid)  
(for bidders who prefer electronic bid submission)**

1. Convert/scan all original documents into Portable Document Format (PDF) and should be printable.
2. Properly label all documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

<b>Document</b>	<b>Filename (in PDF form)</b>
1. PhilGEPS Certificate of Registration (Platinum)	PhilGEPS
2. Statement of On-Going Government & Private Contracts	Statement of On-Going Contracts
3. Statement of Bidder's Single Largest Completed Contract	SLCC
4. Statement of at least two (2) similar completed contracts	Statement of Completed Contracts
5. Bid Security	Bid Security
6. Technical Specifications	Technical Specifications
7. SCHEDULE of Requirements/Production and delivery schedule	Schedule of Requirements
8. Manpower Requirements	Manpower Requirements
9. After Sales service/parts	After Sales
10. Omnibus Sworn Statement	Omnibus Sworn Statement
11. Audited Financial Statements	Audited Financial Statements
12. Net Financial Contracting Capacity	NFCC
13. Committed Line of Credit	CLC
14. Bid Form	Bid Form
15. Price Schedule	Price Schedule

3. Create two (2) folders that are password-protected. The first folder should contain all requirements under Technical Component checklist as presented under Section VIII. The second folder should contain all requirements under Financial Component checklist.
4. Compress the two (2) folders and name as follows: a) first folder: **Technical Documents**, b) second folder: **Financial Documents**.
5. Email the 2 compressed folders to Ms. Jessamine C. Ecleo at [jessamine.ecleo@vsu.edu.ph](mailto:jessamine.ecleo@vsu.edu.ph) on or before the deadline (April 8, 2024 until 8:30 AM).





*@VSUProcurement*

