



**VISAYAS**  
STATE UNIVERSITY

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

## **Supply and Delivery of Laboratory Equipment, Supplies and Chemicals (VSU-GOODS-24-33)**

**Government of the Republic of the Philippines**

**April 23, 2024; 9:00 AM**

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

**Sixth Edition  
July 2020**

## Table of Contents

<b>Glossary of Acronyms, Terms, and Abbreviations .....</b>	<b>3</b>	
<b>Section I. Invitation to Bid.....</b>	<b>6</b>	
<b>Section II. Instructions to Bidders.....</b>	<b>41</b>	
1. ....	422.423.	424.
.....	<b>48</b>	
<b>Section IV. General Conditions of Contract .....</b>	<b>50</b>	
1. ....	512.513.	514.
<b>Section VI. Schedule of Requirements .....</b>	<b>77</b>	
<b>Section VII. Technical Specifications .....</b>	<b>89</b>	
<b>Section VIII. Checklist of Technical and Financial Documents .....</b>	<b>122</b>	

## *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.

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



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

- The *Visayas State University* through the *GF, STF and TF 2024* intends to apply the sum of *Six Million One Hundred Ninety Five Thousand Three Hundred Nineteen Pesos (PhP 6,195,319.00)* being the ABC to payments under the contract for *Supply and Delivery of Laboratory Equipment, Supplies and Chemicals (VSU-GOODS-24-33)*. 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	Unit Price	Total Price
1	<b>0-90% Brix Portable Brix Refractometer Fruit Sugar Meter</b>	pc	1	1,500.00	1,500.00
	<i>Measuring Range: 0-90% Brix</i>				
	<i>Minimum Division: 0.5% Brix Accuracy: ±0.5%</i>				
	<i>ATC Compensation Range: 10°C~30°C (50°F~86°F)</i>				
	<i>Reference Temperature: 20°C</i>				
	<i>Length: 170mm</i>				
	<i>Weight: 250g</i>				
2	<b>18L Pressure Steam Autoclave Sterilizer</b>	pc	1	14,500.00	14,500.00
3	<b>250 ml Reagent/ Media Bottle</b>	pc	10	470.00	4,700.00
	<i>Clear bottles</i>				
4	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	box	6	200.00	1,200.00
5	<b>500 ml Reagent/ Media Bottle</b>	pc	10	560.00	5,600.00
	<i>clear bottles</i>				
6	<b>90mm x 15 mm Disposable Plastic Petri Dish</b>	pack	5	1,000.00	5,000.00
	<i>50 pc/pack</i>				
7	<b>Alcohol, Denatured</b>	gal	10	600.00	6,000.00
8	<b>Ammonium Acetate, AR, 500g</b>	pack	3	1,800.00	5,400.00
9	<b>Ammonium Flouride</b>	btl	1	1,000.00	1,000.00
	☐ <i>White crystalline</i>				
	☐ <i>ACS reagent, ≥98.0%</i>				
	☐ <i>500g</i>				
10	<b>ammonium molybdate</b>	btl	3	1,500.00	4,500.00
	<i>ammonium molybdate, analytical reagent - 500 g.</i>				
11	<b>Analytical Balance (Maximum Capacity 220g)</b>	unit	1	85,500.00	85,500.00
	<b>FEATURES:</b>				
	<i>Large viewing angle with bright backlit LCD display. 2 line display provides</i>				

	additional information or guidance prompts to the user. Capacity bar displays the weighing progress.				
	• A static removal bar (constructed of permanent static electric dissipative ABS) provides a convenient grounding location.				
	• Four quick keys enable easy operation of multiple weighing modes.				
	• RS232 and USB device ports allow for easy connectivity to PCs and PLCs. Equipped with a security lock to prevent unauthorized use.				
	SPECS:				
	Capacity (g): 220				
	Readability: 0.1 mg				
	Repeatability std (g): $\pm 0.0001$				
	Linearity (g): $\pm 0.0002$				
	Weighing Units: gram, milligram, mesgal, momme, Newton, ounce, pennyweight, Baht, carat, grain, pound, Tael (Hong Kong), Tael, (Singapore), Tael (Taiwan), tical, tola, troy ounce				
	Pan Size: $\varnothing$ 90 mm				
	Power Requirements: AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz				
	AC Adapter Output: 12 VDC 0.84A				
	Shipping Dimensions: 507 x 387 x 531 mm				
	Net Weight: 5.1 kg				
12	<b>Anemometer, Rotating Vane and Thermistor, Data logging, Digital</b>	set	1	35,000.00	35,000.00
	▣ Measurement Units:				
	◀ Velocity: m/s, km/h, ft/min, knots, mile/hr				
	◀ Temperature: °C or °F				
	◀ Resolution: 0.1°C (0.1°F) / 0.01m/s				
	▣ Memory Card: SD memory card				
	◀ Data Output:				
	◀ RS232: With optional cable/software				
	◀ USB: With optional cable/software				
	◀ Operating Temperature: 0 to 50°C (32 to 122°F)				
	◀ Power: heavy-duty batteries, or 9V power adaptor (optional)				
13	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>	pack	5	500.00	2,500.00
14	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>	pack	5	500.00	2,500.00
15	<b>Barometer/Thermometer/Humidity Data Logger</b>	pc	1	35,000.00	35,000.00
	Barometric Pressure : 10 to 1100 hPa; 7.5 to 825.0 mmHg; 0.29 to 3248 inHg				
	Resolution : 0.1 hPa, 0.1mmHg, 0.01inHg				
	Temperature: 32 to 122°F (0 to 50°C)				

	Resolution/Basic Accuracy: 0.1°F(°C) / ±1.5°F (0.8°C)				
	Relative Humidity: 10 to 90%RH				
	Resolution/Basic Accuracy: 0.1% / ±(4% of rdg + 1% RH)				
	Datalogging: 20M data using 2G SD card				
	Dimension: 5.2 x 3.1 x 1.3" (132 x 80 x 32mm)				
	Weight: 10oz (285g)				
16	<b>Brush Suitable for 10mL Graduated Cylinder</b>	pc	2	200.00	400.00
	☐Bristle Material: Black Nylon				
	☐Suitable for 10mL Graduated Cylinder				
17	<b>Buffer Solution pH 10, 500 mL</b>	btl	1	2,500.00	2,500.00
18	<b>Buffer Solution pH 4, 500 mL</b>	btl	1	2,500.00	2,500.00
19	<b>Buffer solution, pH 7, 1000 ml.</b>	btl	1	1,200.00	1,200.00
20	<b>BULK DENSITY SOIL SAMPLER KIT WITH COMPACT SIDE HAMMER -AMS77458</b>	set	1	150,000.00	150,000.00
	-Standard set to a depth of 2 meter				
	-The kit is used for sample rings with a diameter of 60mm				
	-Soil sampling kits are used for a variety of tests, including bulk density determination of soil.				
	Suitable for hammering				
	Soil sample ring of 60mm				
	For use with the compression test (08.87) & shear/compression test apparatus (08.68)				
	Sample ring protected by ring holder				
	standard set for a depth of 2 meters				
21	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>	kg	1	6,000.00	6,000.00
22	<b>Chromogenic agar for E.coli</b>	btl	1	20,000.00	20,000.00
	purpose: selective medium for simultaneous detection of E. coli and other coliforms in water and food samples				
	1 btl 500g				
23	<b>Chromogenic Agar for Enterococcus</b>	btl	1	20,000.00	20,000.00
	purpose: for selective and differential identification of Enterococcus species				
	1 btl 500g				
24	<b>Chromogenic agar for Salmonella</b>	btl	1	20,000.00	20,000.00
	purpose: for identification of Salmonella species from other organisms in the family Enterobacteriaceae				
	1 btl 500g				
25	<b>Compound Light Microscope with Camera</b>	pc	1	275,000.00	275,000.00
	Specifications:				
	Head - Trinocular, 30° incline, 360° rotatable				
	Interpupillary Adjustment- Siedentopf compensation-free gemel, 48-75 mm				
	Ocular Diameter- 30mm				
	Ocular Diopters- left ocular				
	Eyepieces- 10X				
	Photo Port- height-adjustable YX series, 23mm tube mount				



	<i>Objective Lenses- Infinity-corrected</i>				
	<i>Objective Parfocal Distance- 45mm</i>				
	<i>Objective Mounting Thread- RMS 20.32mm</i>				
	<i>Objective Turret- Reverse quintuple, ball-bearing movement</i>				
	<i>Focusing System- Coaxial coarse and fine focus, tension control</i>				
	<i>Focus Range- Travel - 24mm</i>				
	<i>Coarse Stroke - 37.7mm per rotation</i>				
	<i>Fine Stroke - 0.1mm per rotation</i>				
	<i>Stage Design- Double-layer with caliper</i>				
	<i>Stage Dimensions- 185mm x 142mm</i>				
	<i>X-Y Translation Range- 75mm x 55mm</i>				
	<i>Transmitted Illumination- 6V30W halogen, continuous-adjustment,</i>				
	<i>rear-mount housing with aspherical collector</i>				
	<i>Condenser- NA0.9/0.25 achromatic swing condenser with iris diaphragm</i>				
	<i>Sub-stage Condenser-holder - rack and pinion</i>				
<b>26</b>	<b>D-Chloroform 50 mL/btl</b>	<b>btl</b>	<b>2</b>	<b>16,500.00</b>	<b>33,000.00</b>
	<i>Chloroform-d (Deuteriochloroform, CDCl<sub>3</sub>), deuterated chloroform, is a Standard purity solvent for NMR (Nuclear Magnetic Resonance) analyses</i>				
<b>27</b>	<b>Drager Aspirator Bulb</b>	<b>pc</b>	<b>15</b>	<b>200.00</b>	<b>3,000.00</b>
<b>28</b>	<b>Ethanol Absolute, 2.5 Liters/ bottle</b>	<b>btl</b>	<b>6</b>	<b>2,500.00</b>	<b>15,000.00</b>
<b>29</b>	<b>Ferrous sulfate (FeSO<sub>4</sub>, 7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	<i>500 grams</i>				
<b>30</b>	<b>Filter Paper</b>	<b>box</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	☐ <i>Filter Paper No.1</i>				
	☐ <i>Qualitative Circles 125mm (12.5cm)</i>				
	☐ <i>Qty/box: 100 pieces per box</i>				
	☐ <i>Porosity: Medium</i>				
	☐ <i>Flow Rate: Medium</i>				
<b>31</b>	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	<b>box</b>	<b>5</b>	<b>2,220.00</b>	<b>11,100.00</b>
	☐ <i>Pore size:2.5um</i>				
	☐ <i>at least 100 pcs. per box</i>				
<b>32</b>	<b>Formaldehyde</b>	<b>btl</b>	<b>11</b>	<b>3,000.00</b>	<b>33,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>33</b>	<b>Freezer</b>	<b>unit</b>	<b>2</b>	<b>75,000.00</b>	<b>150,000.00</b>
	<i>Microprocessor temperature control with LED display</i>				
	<i>The inner temperature range: -25 °C~-30 °C</i>				
	<i>Multiple sensors to display or control the temperature</i>				
	<i>Lock protection and Malfunction alarms</i>				
	<i>Uses a highly efficient famous brand compressor and fan with shelves/drawers</i>				
	<i>CFC-Free/HCFC refrigerant</i>				
	<i>AC 220V with AVR</i>				

	Minimum 100L capacity				
	Around 590x590x900(mm)				
<b>34</b>	<b>Gel Imaging Device</b>	<b>unit</b>	<b>1</b>	<b>145,000.00</b>	<b>145,000.00</b>
	<i>Exceptional Resolution – 5MP Scientific Camera</i>				
	<i>Ready to Use – Ready to connect to PC out of the box</i>				
	<i>Innovative cabinet – Built in UV transilluminator, safety shut off switch and viewing port</i>				
	<i>Large Field of view – 20cm x 24 cm viewing area</i>				
	<i>No focus needed – never have to touch camera</i>				
	<i>AutoExposure – no manual manipulation of aperture or shutter speeds required.</i>				
	<i>Camera- 5 MP (2592 x 1944), scientific grade sensor</i>				
	<i>Power- 150v/400ma</i>				
	<i>Lens- 8 mm, F 1.4 hands free lens with Smart Capture technology</i>				
	<i>Cabinet- Built in UV transiluminator with safety cut-off switch</i>				
	<i>Dimensions- 34.6 x 31.1 x 68.6 cm</i>				
	<i>Weight- 21.4 kg</i>				
<b>35</b>	<b>Glacial Acetic Acid</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>36</b>	<b>Glass Petri Plates, 100mm x 15mm</b>	<b>pc</b>	<b>100</b>	<b>60.00</b>	<b>6,000.00</b>
	glass				
	100mm x 15mm				
	for microbiology use				
	autoclavable				
<b>37</b>	<b>Gloves, Nitrile, Large</b>	<b>box</b>	<b>5</b>	<b>1,500.00</b>	<b>7,500.00</b>
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: large				
<b>38</b>	<b>Gloves, Nitrile, Medium</b>	<b>box</b>	<b>5</b>	<b>1,500.00</b>	<b>7,500.00</b>
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: Medium				
<b>39</b>	<b>Gloves, Nitrile, Small</b>	<b>box</b>	<b>6</b>	<b>1,500.00</b>	<b>9,000.00</b>
	☐box or 100-50 pairs, small				
	☐natural rubber latex-free, powderless				
	☐micro grip				
<b>40</b>	<b>High Precision Stainless Steel Digital Vernier Caliper</b>	<b>pc</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	6 inches; 0.01-0.025 mm accuracy				
<b>41</b>	<b>Horizontal Electrophoresis Apparatus</b>	<b>unit</b>	<b>1</b>	<b>95,000.00</b>	<b>95,000.00</b>

	Output voltage/current- 10V to 150V/10 - 400 mA				
	Timer- 0 - 99 hr or continuous, audible alert				
	Overall Dimensions (W x D x H)- 10 x 6.7 x 2.5 in./24.5 x 17 x 6.2 cm				
	Gel Capacity- 1 large (12.5 x 12 cm), 2 small (12.5 x 6 cm), 4 micro (6 x 6 cm)				
	Program memory- Last programmed parameters saved				
	Electrical- Universal 100V- 240V, 50/60 Hz				
<b>42</b>	<b>Inoculating Loop Stainless Steel</b>	<b>pack</b>	<b>2</b>	<b>1,200.00</b>	<b>2,400.00</b>
	☐10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology				
<b>43</b>	<b>Inverted Microscope with Camera and Monitor</b>	<b>unit</b>	<b>1</b>	<b>330,000.00</b>	<b>330,000.00</b>
	Total Magnification 100X~400X (Standard)				
	Eyepiece: WF10X, Ø22mm, WF16X (Optional), Ø11mm				
	Eyepiece Diameter: around Ø30mm				
	Parfocal Distance: around Ø10mm				
	BF Objective: 10X/0.25, 20X/0.40, 40X/0.60				
	Phase Contrast Objective: 10X/0.25 (20X 40X optional)				
	Nosepiece: Quadruple				
	Focusing minimum division of the focusing: around 2 um/ Effective distance: around 11mm				
	Double Layer Mechanical Stage (Size: around 112 x 79)				
	Condenser: LWD condenser, around W.D. 70mm, with phase-contrast				
	Petri Dish: around 86mm x 129.5mm, suitable for circle dish Ø87.5mm				
	around 34mm x 77.5mm, suitable for circle dish Ø68.5mm				
	around 57mm x 82mm				
	Phase Contrast System: Sliding phase contrast equipment, center adjustable				
	Light Source: at least 9W LED, with brightness control				
	Electrical: 220VAC, 50 Hz, with voltage regulator				
<b>44</b>	<b>Isopropyl alcohol</b>	<b>btl</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	☐(CAS 67-63-0)				
	☐2 liters,				
	☐Anhydrous,				
	☐99.5%,				
<b>45</b>	<b>Lab Gown Long Sleeves L</b>	<b>pc</b>	<b>5</b>	<b>500.00</b>	<b>2,500.00</b>
	☐Lab Coat High-quality White				
	☐Size- Large; long sleeves				
<b>46</b>	<b>Lab Gown Long Sleeves M</b>	<b>pc</b>	<b>7</b>	<b>500.00</b>	<b>3,500.00</b>
	☐Lab Coat High-quality White				
	☐Long Sleeves				
	☐Medium size				
<b>47</b>	<b>Laboratory Chair</b>	<b>pc</b>	<b>35</b>	<b>1,400.00</b>	<b>49,000.00</b>
	Dimension: 34"height				
	Durable fixed-height lab stools feature a steel seat attached to a steel plate, which is welded to a heavy-duty				

	tubular base				
	Stools also have a fixed tubular footing, welded on both top and bottom for durability, and glides.				
<b>48</b>	<b>Laboratory Tables</b>	<b>unit</b>	<b>3</b>	<b>65,000.00</b>	<b>195,000.00</b>
	Dimension: 3.5 m x 1.2m x 85cm height				
	Table Top: at least 12.7 mm thickness corrosion-resistant white Solid phenolic resin board with at least 25.4 mm thickness edge sealing				
	Power socket: 10 power socket 220V per table				
<b>49</b>	<b>Laboratory Weighing Boats</b>	<b>pack</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	■ Plastic, 100 mL				
	■ at least 100 pcs. pack				
<b>50</b>	<b>Lactophenol Cotton Blue Solution</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	■ 250ml;				
<b>51</b>	<b>Laminar Flow Hood (Double)</b>	<b>unit</b>	<b>1</b>	<b>220,000.00</b>	<b>220,000.00</b>
	External Size (W*D*H)- 1040*660*1770mm				
	Internal Size (W*D*H)- 940*560*545mm				
	Work Surface Height- 750mm				
	Display- LED Display				
	Airflow Velocity- Average of 0.3~0.5m/s				
	Material- Main Body: Cold-rolled steel with anti-bacteria powder coating				
	Work Table: 304 stainless steel				
	Pre-filter- Polyester fiber, washable				
	HEPA Filter- 99.995% efficiency at 0.3µm				
	Noise- <65dB				
	Front Window- Manual, 5mm toughened glass, anti-UV				
	Max Opening- 310mm				
	UV Lamp- 20W*1				
	Emission of 253.7 nanometers				
	LED Lamp- 12W*1				
	Consumption- 350W				
	Caster- Universal caster with leveling feet				
	Power Supply- AC220V±10%, 50/60 Hz; 110V±10%, 60 Hz				
	Standard Accessory- LED lamp; UV lamp*2; Base stand.				
	Optional Accessory- Electric height adjustable base stand				
	Gross Weight- 150kg				
	Package Size (W*D*H)- 1190*890*1340mm				
<b>52</b>	<b>Laminar Flow Hood/Cabinet</b>	<b>unit</b>	<b>1</b>	<b>148,250.00</b>	<b>148,250.00</b>
	Polypropylene with Transparent PVC side windows, Washable polyurethane foam filter,				
	Particle count exceeds Class 100 requirements				
	Final Filters: HEPA: 99.99% efficient at around 0.3µm particles				

	<i>Fan Motor: .333 HP at high speed; .25 HP at low speed</i>				
	<i>Average airflow velocity: around 90 feet/minutes (fpm)</i>				
	<i>Electrical: 220VAC, 50 Hz</i>				
	<i>Size: Around 2x4 ft</i>				
	<i>Low noise at 52.4 dBA</i>				
<b>53</b>	<b>Litmus Milk medium</b>	<b>btl</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment</i>				
<b>54</b>	<b>Masking tape, autoclavable, for laboratory use</b>	<b>rolls</b>	<b>5</b>	<b>450.00</b>	<b>2,250.00</b>
	<i>1" wide x 55m length;</i>				
<b>55</b>	<b>Methanol 2.5L</b>	<b>btl</b>	<b>4</b>	<b>1,500.00</b>	<b>6,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle;</i>				
<b>56</b>	<b>Microwaveable food grade rectangular container 750ml</b>	<b>pc</b>	<b>50</b>	<b>15.00</b>	<b>750.00</b>
<b>57</b>	<b>Mueller Hinton Agar</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<i>Medium used for conducting the antibiotic sensitivity test. supplied in 500g/bottle</i>				
<b>58</b>	<b>Mueller Hinton Broth, 500gms</b>	<b>btl</b>	<b>1</b>	<b>5,200.00</b>	<b>5,200.00</b>
<b>59</b>	<b>Nutrient Gelatin</b>	<b>btl</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>Nutrient Gelatin, 500g</i>				
<b>60</b>	<b>petri dish with cover</b>	<b>pc</b>	<b>50</b>	<b>250.00</b>	<b>12,500.00</b>
	<i>Glass</i>				
	<i>Petri Dish Style: 100 x 15mm</i>				
	<i>Top Style: Beaded Rim</i>				
	<i>Surface Treatment: Not Treated</i>				
	<i>Diameter: 95mm (approx.)</i>				
	<i>Height: 17mm (approx.)</i>				
	<i>Autoclavable</i>				
<b>61</b>	<b>pH Meter</b>	<b>unit</b>	<b>1</b>	<b>85,000.00</b>	<b>85,000.00</b>
	<i>Range: -2.000 to 20.000 pH</i>				
	<i>Resolution: 0.001, 0.01, 0.1 pH</i>				
	<i>Accuracy: ±0.002 + 1 LSD</i>				
	<i>Calibration: Up to 6 (USA, NIST, DIN, or custom buffer sets)</i>				
	<i>Connectors</i>				
	<i>BNC: mV</i>				
	<i>Range: ±2000.0 mV</i>				
	<i>Resolution: 0.1 mV</i>				
	<i>Accuracy: ±0.2 mV</i>				
	<i>Calibration: Offset up to +150 mV</i>				
	<i>Connectors: BNC</i>				
	<i>Temperature</i>				
	<i>Range: 0.0 to 100.0°C (32.0 to 212°F)</i>				
	<i>Resolution: 0.1°C or °F</i>				
	<i>Accuracy: ±0.3°C (±0.5°F)</i>				
	<i>Connectors: 2.5 mm phono</i>				
	<i>Temperature compensation: manual or automatic from 0 to</i>				

	100°C (32 to 212°F)				
	Memory: up to 500 data sets with time/date stamp				
	Output: RS-232, 9-pin female				
	Display: 3 1/4 " x 2 7/16 " (8.3 x 6.2 cm) graphic LCD with backlight				
	Operating temperature: 0 to 50°C (32 to 122°F), noncondensing humidity				
	Power: universal 110/240 VAC, 50/60 Hz with adapter; UL/CSA listed				
	Dimensions				
	Meter: 6 1/8 " x 6 7/8 " x 2 3/4 " (15.5 x 17.5 x 6.9 cm)				
	Boxed: 12" x 9" x 5" (30.8 x 15.5 x 12.4 cm)				
	Weight: Meter only: 1.4 lb (0.6 kg); Boxed: 4 lb (1.8 kg)				
<b>62</b>	<b>pH Meter pen type</b>	<b>pc</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	☐0.1 pH resolution				
	☐water-resistant/proof				
<b>63</b>	<b>Polycarbonate Safety Goggles</b>	<b>pc</b>	<b>5</b>	<b>600.00</b>	<b>3,000.00</b>
	Indirect ventilation.				
	Flexible PVC and nylon frame.				
	Panoramic screen.				
	Adapted to wear with glasses and disposable respiratory half-masks.				
	Wide elastic strap.				
<b>64</b>	<b>Potassium antimony tartrate</b>	<b>btl</b>	<b>1</b>	<b>3,800.00</b>	<b>3,800.00</b>
	Analytical reagent grade, 500g/bottle				
<b>65</b>	<b>potassium antimony tartrate (III) hydrate, AR, 500g</b>	<b>btl</b>	<b>2</b>	<b>4,000.00</b>	<b>8,000.00</b>
<b>66</b>	<b>Potassium Bromide 500g/btl</b>	<b>btl</b>	<b>3</b>	<b>2,500.00</b>	<b>7,500.00</b>
	☐Anhydrous				
	☐Lab grade/ Analytical reagent grade				
	☐Expiration date(3 years from the delivery date)				
	☐Packed in Teflon bottles				
<b>67</b>	<b>Potassium Chloride, AR, 1000g</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>68</b>	<b>Potassium dichromate, AR Grade</b>	<b>btl</b>	<b>3</b>	<b>2,500.00</b>	<b>7,500.00</b>
	☐500 grams/poly bottle				
<b>69</b>	<b>Potassium Hydroxide</b>	<b>btl</b>	<b>1</b>	<b>4,200.00</b>	<b>4,200.00</b>
	☐Flakes				
	☐Analytical Grade				
	☐1kg				
<b>70</b>	<b>Potassium sulfate, K2SO4</b>	<b>btl</b>	<b>2</b>	<b>1,600.00</b>	<b>3,200.00</b>
	Analytical reagent grade, 500g/bottle;				
<b>71</b>	<b>Sabouraud Dextrose Agar, 500g;</b>	<b>btl</b>	<b>3</b>	<b>4,800.00</b>	<b>14,400.00</b>
<b>72</b>	<b>sodium carbonate</b>	<b>kg</b>	<b>6</b>	<b>1,000.00</b>	<b>6,000.00</b>
	sodium carbonate - analytical grade, 1.00 kg				
<b>73</b>	<b>Sodium Chloride</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	Analytical Reagent Grade 500g per bottle				
<b>74</b>	<b>Sodium Hexametaphosphate, 500g</b>	<b>btl</b>	<b>23</b>	<b>800.00</b>	<b>18,400.00</b>
<b>75</b>	<b>Sodium Hydroxide, AR 500G</b>	<b>btl</b>	<b>3</b>	<b>1,200.00</b>	<b>3,600.00</b>

	☐500 g/bottle, AR, Pellets				
<b>76</b>	<b>Sodium Nitrate 500g/btl</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	☐Anhydrous				
	☐Lab grade/ Analytical reagent grade				
	☐Expiration date(3 years from the delivery date)				
	☐Packed in Teflon bottles				
<b>77</b>	<b>Soil Test Kit</b>	<b>set</b>	<b>5</b>	<b>2,500.00</b>	<b>12,500.00</b>
<b>78</b>	<b>Standard Method Agar (PCA)</b>	<b>btl</b>	<b>1</b>	<b>4,500.00</b>	<b>4,500.00</b>
	Plate Count Agar				
	500g				
<b>79</b>	<b>Stereo zoom microscope with camera and monitor</b>	<b>pc</b>	<b>1</b>	<b>200,000.00</b>	<b>200,000.00</b>
	Microscope Specs:				
	Viewing Head-Trinocular body with viewing head that rotates 360°. Head locks in place with tightening screw. Dual diopters on each eyetube. Light is directed 100% to eyetubes and trinocular port.				
	Eyepieces- Widefield 10x eyepieces / FN 20mm. Accepts 24mm diameter reticle.				
	Zoom Ratio- 6.4:1				
	Objectives- Zoom range of 0.7x- 4.5x.				
	Stand- Rugged cast metal frame track stand with white enamel finish. Transmitted and reflected LED illumination. Top and bottom LED lights each have their own rheostat controls. Supplied with 95mm frosted stage plate and black/white stage plate. Two locked-on stage clips. CE Certified. 115~230V.				
	Focusing- Coarse focus adjustment.				
	Working Distance- 100mm				
	Illumination- Transmitted and Reflected LED illumination with intensity control and on/off switch for each light.				
	C-Mount Adapter- 0.35x C-Mount Adapter				
	Camera- HD 1080p camera, live resolution 1920×1080 pixels. 2mp image capture to SD card. Live image 1080p / 60 fps. HDMI connection to 12" HD monitor. Image capture to SD Card. Camera controls for exposure, gain, white balance, color adjustment, sharpness. Includes mouse for on-screen controls. HDMI direct connection to monitor.				
	Monitor- 12" LCD HDMI monitor, 1080p. LED backlight. Monitor mounts directly to HD camera and includes 110~240V power cord and HDMI cable.				
	Dimensions- 9.5" W x 11.5" D x 15" H.				
	Weight- 11 lbs.				
	Warranty- 5-year limited warranty on microscope, 1 year on tablet camera.				
<b>80</b>	<b>Sulfuric Acid - 95-98%</b>	<b>btl</b>	<b>3</b>	<b>5,000.00</b>	<b>15,000.00</b>
	☐Free from suspended or insoluble matter				
	☐Nominally 95-98% H2SO				
	☐1 bottle contains 500 mL				

81	<b>Sulfuric acid, H2SO4</b>	btl	1	2,500.00	2,500.00
	☐Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle				
82	<b>Temperature Data Logger</b>	pc	1	1,500.00	1,500.00
	☐High accuracy temperature logger				
	☐Logger can be connected to the PC				
	☐via USB for data import and export to excel or pdf.				
83	<b>Test Tube Brush</b>	pack	2	2,000.00	4,000.00
	☐For test tubes				
	☐Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	☐Length: at least 10 inches				
	☐Brush size diam. × L: utmost 1 3/8 in. × 4 in.				
	☐Pack of 4 brushes				
84	<b>Test tube Cap for 16mm Glass test Tubes, Clear, 100/Bag</b>	bag	1	1,000.00	1,000.00
	Description:				
	Polypropylene (PP)				
	Autoclavable				
	Ridges inside cap provide secure grip and gas exchange				
	Maintain sterility without cotton plugging				
85	<b>Weighing Paper Sheet, Non-Absorbing</b>	pack	10	300.00	3,000.00
	High-GlossPack of 500				
86	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>	pc	2	250.00	500.00
	☐Bristle Color: White Bristle				
	☐Brush+Handle Length: 12"				
	☐Brush Diameter: 1 3/8"				
	☐Brush Length: 3 1/2"				
	☐Suitable for cleaning 250mL Erlenmeyer Flask				
87	<b>Pipette Dropper with Rubber Head</b>	pack	2	400.00	800.00
	☐Pipette Dropper with Rubber Head				
	☐Capacity: 10mL				
	☐Material: Glass/Borosilicate Glass				
	☐12PCS/PACK				
88	<b>Laboratory Stool/Chair, Wheeled</b>	pc	60	4,500.00	270,000.00
	Anti-static stool				
	Adjustable height: at least 40-60 cm				
	Weight capacity: at least 300lbs				
	Ergonomic with hip to mid-waist level back support				
	With round footrest/ foot ring				
	Anti-slip seat material: Rugged polyurethane				
	No. of wheels: 5				
	Standard style w/polished aluminum base: 20"-30"				
	Seat shape: Round				
	Color: Black				
89	<b>Agar Agar</b>	kg	1	2,800.00	2,800.00



90	<b>Ammonium nitrate (NH<sub>4</sub>NO<sub>3</sub>) suitable for plant cell and tissue culture</b>	kg	2	5,000.00	10,000.00
91	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>	btl	1	2,600.00	2,600.00
	<i>Dried</i>				
	<i>1.5-2.5mm</i>				
	<i>Molecular Weight: 246.47</i>				
	<i>500grams</i>				
92	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>	btl	1	3,100.00	3,100.00
93	<b>Ethyl Alcohol (95%)</b>	canister	2	3,000.00	6,000.00
	Container Size: Plastic waterjug 20L				
94	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	btl	1	2,000.00	2,000.00
	<i>Wt. 169.01</i>				
	<i>Colourless efflorescent crystals</i>				
	<i>500 grams</i>				
95	<b>Potassium Nitrate (KNO<sub>3</sub>) suitable for plant cell and tissue culture</b>	kg	2	5,500.00	11,000.00
	1 kilogram of Potassium Nitrate				
96	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>	btl	2	1,450.00	2,900.00
	<i>Analytical grade</i>				
	<i>Use for enzyme buffers and chemical assays</i>				
	<i>Bottle of 500g</i>				
97	<b>Agar Powder atleast 500g/btl</b>	btl	10	1,400.00	14,000.00
	<i>for plant tissue culture</i>				
98	<b>Agarose powder 100g</b>	btl	2	20,000.00	40,000.00
	<i>100g per bottle</i>				
	<i>molecular biology grade</i>				
99	<b>Casein</b>	pack	5	1,300.00	6,500.00
	<i>Food Grade Cassein</i>				
	<i>1kg/pack</i>				
100	<b>DNA Extraction Kit</b>	kit	2	20,000.00	40,000.00
	<i>For in Vitro research use</i>				
	<i>Manual, Solution-Based DNA Extraction Method</i>				
	<i>DNA from blood, animal and plant cells, bacteria or yeast</i>				
	<i>60-minute, scalable protocol</i>				
	<i>Kit size based on number of isolations from whole blood, other sample types may vary</i>				
	<i>Content and Storage: 15°C to 30°C</i>				
	<i>For Use With (Application): Isolate genomic DNA from whole blood, cultured cells, yeast, mouse tissue or numerous other cell sources</i>				
	<i>100 isolations x 300ul</i>				
101	<b>dNTP 10mM</b>	tubes	12	3,400.00	40,800.00
	<i>Molecular Biology Grade</i>				
	<i>Premixed dNTP solution</i>				
	<i>10mM each dATP, dCTP, dGTP, dTTP</i>				

	1mL per tube				
102	<b>DNTPs set, 4x 250 ul, 100mM</b>	kit	1	25,000.00	25,000.00
103	<b>EDTA, 500g, A.R, monobasic</b>	btl	2	6,900.00	13,800.00
104	<b>Ethanol Mol Grade</b>	btl	5	3,000.00	15,000.00
	<i>Molecular grade for analysis</i>				
	<i>2.5 liters/btl</i>				
105	<b>Gel Red Stain</b>	tubes	2	8,000.00	16,000.00
	<i>Format : 10,000X in water, 1X in water</i>				
	<i>Excitation/Emission : 551/625 nm (with dsDNA)</i>				
	<i>DNA/RNA dye : DNA dye</i>				
	<i>Storage Conditions : Store at room temperature, Protect from light</i>				
	<i>Assay type/options : DNA/RNA gel staining</i>				
	<i>Superior dsDNA staining in polyacrylamide gels</i>				
	<i>Formulated for efficient penetration of polyacrylamide gel</i>				
	<i>Safer than EtBr: non-mutagenic and non-hazardous for disposal</i>				
	<i>Simple pre- and post-electrophoresis gel staining, no destaining</i>				
	<i>Use with standard EtBr imaging equipment or optical settings</i>				
	<i>Compatible with downstream gel purification, restriction digest, sequencing</i>				
	<i>pack size: 0.5 mL</i>				
106	<b>Hydrochloric Acid</b>	btl	2	4,000.00	8,000.00
	<i>1 Litre/bottle</i>				
	<i>analytical grade</i>				
107	<b>microcentrifuge tubes 1.5mL (1000s)</b>	pack	5	5,000.00	25,000.00
	<i>1.5mL</i>				
	<i>1000 per pack</i>				
	<i>Sterile</i>				
	<i>DNase/RNase free</i>				
108	<b>PCR 0.2mL tubes multicolored (1000s)</b>	pack	3	6,000.00	18,000.00
	<i>Autoclavable</i>				
	<i>sample volume, 0.2 ml</i>				
	<i>multicolored</i>				
109	<b>Pipette Tips Blue</b>	pack	5	2,000.00	10,000.00
	<i>Sterile</i>				
	<i>Autoclavable</i>				
	<i>pipette volume, 1000 µL</i>				
	<i>DNase/RNase free</i>				
	<i>1000 pcs/ pack</i>				
110	<b>Pipette Tips Yellow</b>	pack	5	2,000.00	10,000.00
	<i>Autoclavable</i>				
	<i>pipette volume of 20 - 200 µl</i>				
	<i>1000 pcs / Pack</i>				
	<i>Sterile</i>				

<b>111</b>	<b>Pipettor (set of 2ul, 20ul, 200ul,1000ul)</b>	<b>pc</b>	<b>2</b>	<b>7,000.00</b>	<b>14,000.00</b>
	<i>Lightweight, ergonomic, low force design</i>				
	<i>Easy to calibrate and maintain with tool supplied</i>				
	<i>Design helps avoid repetitive strain injuries</i>				
	<i>The low part is available for autoclaving</i>				
	<i>Manufactured from innovative materials</i>				
	<i>Volume adjustment: only a few turns to reach your desired volume</i>				
	<i>Ejector: very low operating force, positioned for perfect ergonomics</i>				
	<i>Quick connection clip: remove lower part easily</i>				
<b>112</b>	<b>Polymerase 500 Units</b>	<b>tubes</b>	<b>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	<i>Detection Method - Primer-probe</i>				
	<i>PCR Method - Standard PCR</i>				
	<i>Polymerase - Taq DNA Polymerase</i>				
	<i>Product Type - DNA Polymerase PCR Buffer</i>				
	<i>Shipping Condition - Dry Ice</i>				
	<i>Concentration - 10X</i>				
	<i>Fidelity (vs. Taq) - 10 X</i>				
	<i>Reaction Format - Kit</i>				
	<i>Volume - 1 mL</i>				
<b>113</b>	<b>Potato Dextrose Agar (PDA), 500 grams</b>	<b>btl</b>	<b>2</b>	<b>4,500.00</b>	<b>9,000.00</b>
<b>114</b>	<b>Reaction buffer</b>	<b>tubes</b>	<b>5</b>	<b>3,000.00</b>	<b>15,000.00</b>
	<i>reaction buffers for PCR</i>				
	<i>5ml</i>				
<b>115</b>	<b>Sodium Acetate (NaOAc)</b>	<b>btl</b>	<b>2</b>	<b>4,000.00</b>	<b>8,000.00</b>
	<i>500g/bottle</i>				
	<i>Purity % - 99%</i>				
	<i>Grade Standard - Lab Grade</i>				
<b>116</b>	<b>Sodium chloride (NaCl)</b>	<b>btl</b>	<b>2</b>	<b>4,000.00</b>	<b>8,000.00</b>
	<i>Analytical grade</i>				
	<i>500g/bottle</i>				
<b>117</b>	<b>Sodium Dodecyl Sulfate (SDS)</b>	<b>btl</b>	<b>2</b>	<b>20,000.00</b>	<b>40,000.00</b>
	<i>Molecular Biology Grade</i>				
	<i>500g/bottle</i>				
<b>118</b>	<b>Triton 500 ml</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
	<i>500 ml (16 oz) Plastic Bottle</i>				
	<i>High Purity 99%: NOT Diluted</i>				
<b>119</b>	<b>White Pipette Tips</b>	<b>pack</b>	<b>5</b>	<b>2,000.00</b>	<b>10,000.00</b>
	<i>Sterile</i>				
	<i>Autoclavable</i>				
	<i>0.5 – 10uL (pipette volume)</i>				
	<i>1000 pcs/pack</i>				
<b>120</b>	<b>Yeast Extract</b>	<b>btl</b>	<b>4</b>	<b>4,000.00</b>	<b>16,000.00</b>
	<i>500g/bottle</i>				
	<i>in powder form</i>				
	<i>Appearance : Light yellow to brownish yellow homogenous</i>				

	free flowing powder having characteristic odour but not putrescent.				
	Solubility : Freely soluble in distilled/ purified water, insoluble in alcohol.				
	Clarity : 2% w/v aqueous solution remains clear and neutral without any haziness after autoclaving at 15 lbs pressure (121C) for 15 minutes.				
	Reaction : Reaction of 2% w/v aqueous solution at 25C.				
	pH : 6.50- 7.50				
<b>121</b>	<b>Stovetop autoclave</b>	<b>unit</b>	<b>1</b>	<b>35,000.00</b>	<b>35,000.00</b>
	Stovetop				
	Sterilizer				
	Capacity - 17.6 Qt Inner Container Capacity (Liquid)				
	Overall Height - 16 3/4 inches				
	Bottom Height - 12 1/4 inches				
	Inside Diameter - 12 5/8 inches				
	Inner Container				
	Inside Depth - 10 1/4 inches				
	Inside Diameter - 11 1/8 inches				
	Circumference - 35 7/8 inches				
	Capacity - 17 1/2 Quarts				
<b>122</b>	<b>Rubber Aspirator suction, 30 ml</b>	<b>pc</b>	<b>1</b>	<b>300.00</b>	<b>300.00</b>
<b>123</b>	<b>Drager Aspirator Bulb</b>	<b>pc</b>	<b>1</b>	<b>200.00</b>	<b>200.00</b>
<b>124</b>	<b>Laboratory Weighing Boats, Plastic 100ml</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	at least 100 pcs/pack				
<b>125</b>	<b>Sulfuric Acid</b>	<b>btl</b>	<b>4</b>	<b>2,500.00</b>	<b>10,000.00</b>
	☑Analytical Grade (98%)				
	☑2.5 Liters				
	☑specific gravity 1.84				
<b>126</b>	<b>Test Tube Brush</b>	<b>pack</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	☑For test tubes				
	☑Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.				
	☑Length: at least 10 inches				
	☑Brush size diam. × L: utmost 1 3/8 in. × 4 in.				
	☑Pack of 4 brushes				
	<b>GOODS-23-40 (Rebidding)</b>				
<b>127</b>	<b>100 ml Type 1, class A borosilicate glass Beaker</b>	<b>pc</b>	<b>30</b>	<b>500.00</b>	<b>15,000.00</b>
<b>128</b>	<b>1000mL Beaker Plastic</b>	<b>pc</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
	The polypropylene beaker has excellent transparency and the contents can be seen well.				
	Can be autoclaved.				
	Has excellent chemical resistance and durability				
	Specification: With scale, with handle				
	Material: Polypropylene (PP)				
	Type: Beaker with handle				
	Scale: Yes				

	Heat Resistance Temperature (°C): 120				
	Handle: Yes				
<b>129</b>	<b>2.4-Dichlorophenoxyacetic acid, 250grams/btl</b>	<b>btl</b>	<b>1</b>	<b>4,500.00</b>	<b>4,500.00</b>
	2.4-Dichlorophenoxyacetic acid plant growth regulator 2,4-D used for				
	Plant tissue culture				
<b>130</b>	<b>250 mm glass stirring rod</b>	<b>pc</b>	<b>3</b>	<b>125.00</b>	<b>375.00</b>
<b>131</b>	<b>50 ml Type 1, class A borosilicate glass Beaker</b>	<b>pc</b>	<b>10</b>	<b>400.00</b>	<b>4,000.00</b>
<b>132</b>	<b>Activated Charcoal suitable for plant cell and tissue culture (500g)/pack</b>	<b>pack</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>133</b>	<b>Agar for plant cell and tissue culture</b>	<b>btl</b>	<b>1</b>	<b>7,500.00</b>	<b>7,500.00</b>
	500grms/btl				
<b>134</b>	<b>Alcohol, Ethyl, 95% (Tech)</b>	<b>gal</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
<b>135</b>	<b>Ammonium Acetate, AR, 500g</b>	<b>pack</b>	<b>2</b>	<b>1,800.00</b>	<b>3,600.00</b>
<b>136</b>	<b>Ammonium Flouride</b>	<b>btl</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	☐White crystalline				
	☐ACS reagent, ≥98.0%				
	☐500g/btl				
<b>137</b>	<b>Ammonium Sulfate, 500g/btl.</b>	<b>btl</b>	<b>2</b>	<b>650.00</b>	<b>1,300.00</b>
	☐Anhydrous				
	☐Lab grade/ Analytical reagent grade				
	☐Expiration date(3 years from the delivery date)				
	☐Packed in Teflon bottles				
<b>138</b>	<b>Ascorbic acid</b>	<b>btl</b>	<b>2</b>	<b>3,100.00</b>	<b>6,200.00</b>
	☐Analytical reagent grade, crystalline powder, 25 g/bottle				
<b>139</b>	<b>Beaker</b>	<b>pc</b>	<b>2</b>	<b>600.00</b>	<b>1,200.00</b>
	Beaker Plastic 5000mL				
	The polypropylene beaker has excellent transparency and the contents can be seen well.				
	Can be autoclaved.				
	Has excellent chemical resistance and durability.				
	Specification: With scale, with handle				
	Material: Polypropylene (PP)				
	Type: Beaker with handle				
	Scale: Yes				
	Heat Resistance Temperature (°C): 120				
	Handle: Yes				
	Good quality				
<b>140</b>	<b>Boric acid, AR</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	Certified molecular biology grade				
	Suitable for electrophoresis, ≥99.5%				
	Size: 500g per bottle				
<b>141</b>	<b>Buffer solution, pH 7, 1000 ml.</b>	<b>btl</b>	<b>2</b>	<b>1,200.00</b>	<b>2,400.00</b>
<b>142</b>	<b>Cadmium Nitrate Standard for the AAS, 500cc/btl</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
<b>143</b>	<b>Calcium Chloride Dihydrate</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
	☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards				
	☐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				
	☐500g				
144	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>	btl	3	3,100.00	9,300.00
145	<b>Cesium Chloride</b>	btl	1	2,000.00	2,000.00
	CAS: 7647-17-8				
	Form: Colourless or white deliquescent crystals or powder or beads or chunk				
	Pack Size: 25g/btl				
	Packaging Type: glass bottle				
	Grade: AR quality				
146	<b>Cobalt chloride (CoCl<sub>2</sub>, 6H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	btl	1	1,600.00	1,600.00
	☐Molecular weight: 249.6				
	☐500g/btl				
147	<b>Copper sulfate, CuSO<sub>4</sub></b>	btl	1	1,800.00	1,800.00
	☐Anhydrous, Analytical reagent grade, 500g/bottle				
148	<b>Dial Instant-Read Kitchen Thermometer (Bimetal)</b>	unit	1	1,000.00	1,000.00
	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				
	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				
149	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>	btl	1	8,000.00	8,000.00
150	<b>ELECTRONIC THEODOLITE</b>	set	2	45,250.00	90,500.00
	<b>SPECIFICATIONS</b>				
	<b>Angle Measurement</b>				
	- Measuring Method: Absolute Encoding				
	- Diameter of Encoder Disk: 79mm				
	- Minimum Reading: 1"				
	- Accuracy: 2"				
	- Detection Method: Horizontal -Dual, Vertical-Dual				
	<b>Telescope</b>				
	- Image: Erect				
	- Magnification: 26.5x				
	- Effective Aperture: 40mm				
	- Resolving Power: 3"				
	- Field of View: 1°30'				
	- Minimum Focus Range: 1.5m				
	Multiple Constant: 100				
	- Additive Constant: 0				

	- Tube Length: 155mm				
	<b>Laser</b>				
	- Wavelength: 635±20nm				
	-Laser Class: Class II				
	-Diameter: <4cm/1000m				
	- Tolerance: <10"				
	<b>Compensator</b>				
	- Type: Single Axis				
	- Working Range: ±3'				
	- Accuracy: ±3"				
	<b>Bubble</b>				
	- Plate Bubble: 30"/2mm				
	- Circular Bubble: 8"/2mm				
	<b>Display Unit</b>				
	- Type: 2.7 Inch LCD screen				
	<b>Power Supply</b>				
	- Battery: 7.4V, Lithium battery, 8 hrs				
	<b>Working Environment</b>				
	- Weight: 4.7kg				
	<b>Dimension</b>				
	- Size: 165*160*340mm				
	- Range: -20 °C~ +50 °C				
151	<b>Ethylenediaminetetraacetic acid disodium salt (Na2-EDTA) suitable for plant cell and tissue culture</b>	btl	1	1,500.00	1,500.00
	500 grams/btl				
152	<b>Ferrous Sulphate</b>	btl	1	1,500.00	1,500.00
	☑Analytical Grade				
	☑500grams/btl				
153	<b>Gloves, Nitrile, Large</b>	box	4	1,500.00	6,000.00
	☑Glove Type: Chemical Resistant Disposable Gloves				
	☑Glove Material: Nitrile				
	☑Powder-Free				
	☑1 box of 100 or 50 pairs				
	☑Food Safe				
	☑Size: large				
154	<b>Glycine</b>	btl	1	7,400.00	7,400.00
	☑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				
155	<b>good quality Scalpel Handle #3</b>	pc	2	500.00	1,000.00
	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				

	<i>Good quality</i>				
<b>156</b>	<b>Holder scalpel # 4</b>	<b>pc</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</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>				
<b>157</b>	<b>Hydrochloric acid, HCl</b>	<b>btl</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	<i>Analytical reagent grade, concentrated, 2.5L/bottle</i>				
<b>158</b>	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
<b>159</b>	<b>indolebutyric acid (IBA)</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	<i>Suitable for plant tissue culture 5 gms/btl</i>				
<b>160</b>	<b>Kinetin, 5grms/btl</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	<i>Kinetin is often used in plant tissue culture for inducing formation of callus (in conjunction with auxin) and to regenerate shoot tissues from callus (with lower auxin concentration).</i>				
<b>161</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>3</b>	<b>1,200.00</b>	<b>3,600.00</b>
	<i>Wt. 169.01</i>				
	<i>Colourless efflorescent crystals</i>				
	<i>500 grams</i>				
<b>162</b>	<b>Magnetic Bar Set</b>	<b>set</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>7pcs of Mixed size PTFE Magnetic Stirrer Mixer</i>				
	<i>Stir Bars White Color Without Pivot Ring</i>				
	<i>Shape: Cylinder without Pivot Ring</i>				
	<i>Feature: corrosion resistance</i>				
	<i>Quantity: 7 pcs</i>				
	<i>Size: 7pcs of Mixed</i>				
	<i>size :C5*15mm C6*20mm C6*25mm C7*25mm</i>				
	<i>C9*30mm C8*35mm C7*40mm</i>				
<b>163</b>	<b>Manganese sulfate (MnSO<sub>4</sub>, H<sub>2</sub>O) suitable for plant cell and tissue culture</b>	<b>btl</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
	<i>500 grams</i>				
<b>164</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>	<b>btl</b>	<b>1</b>	<b>2,200.00</b>	<b>2,200.00</b>
	<i>500grams, AR;</i>				
<b>165</b>	<b>Multiparameter ph/ORP/EC/TDS/Salinity/DO/Pressure/Temperature Waterproof Meter</b>	<b>unit</b>	<b>1</b>	<b>150,000.00</b>	<b>150,000.00</b>
	<i>A waterproof portable logging multiparameter meter that monitors up to 12 different water quality parameters.</i>				
	<i>Multi-sensors probe allows for the measurement of key parameters including pH, ORP, conductivity, dissolved oxygen, and temperature.</i>				
	<i>The probe transmits readings digitally to the meter, where data points can be displayed and logged.</i>				
	<i>The complete system is simple setup.</i>				
	<i>Backlit graphic LCD Display- features a backlit graphic LCD with on-screen help and the capability to display up to twelve parameters simultaneously.</i>				
	<i>The graphic display allows for the use of virtual keys to provide for an intuitive user interface</i>				



	<i>Waterproof protection-the meter is enclosed in an IP67rated waterproof casing and can withstand immersion in water at a depth of 1m for up to 30 minutes. The probe features an IP68 rating for continuous immersion in water</i>				
	<i>Quick Connect digital Probe-The probe features a quick connect DIN connector that makes a waterproof connection with the meter.</i>				
	<i>Color Coded, Field Replaceable sensors-sensor replacement is quick and easy with field replaceable, screw-type connectors that are color-coded for easy sensor port identification</i>				
	<i>Auto-sensor recognition- The probe and meter automatically recognize the sensors that are connected. Any ports not used on the probe will not have the parameter displayed or be configurable</i>				
	<i>Automatic temperature compensation-Integrated temperature sensor allows for automatic temperature compensation of pH, conductivity and dissolved oxygen measurements</i>				
	<i>Automatic Barometric pressure compensation-The meter features a built-in barometer with user selectable units for dissolved oxygen pressure compensation</i>				
	<i>Standard or quick calibration-Quick calibration provides a speedy, single-point calibration for pH, conductivity, and dissolved oxygen. Standard pH calibration options are available for calibrating up to three points from a selection of five standard buffers and one custom buffer. Conductivity calibration is a single point from six standard selections or one custom standard. Dissolved oxygen calibration is up to two standard points or a single custom point</i>				
	<i>GLP Data- includes a GLP feature that allows users to view calibration data and expiration information at the touch of a key. Calibration data includes date, time, buffers/standards used for calibration, and slope characteristics</i>				
	<i>Data Logging-Allows users to store up to 45,000 continuous log-on demand samples with logging intervals from one second to three hours</i>				
	<i>Intuitive Keypad-The fitted rubber keypad has dedicated keys for power, backlight, up/down arrows, help and alphanumeric characters. The meter also features two virtual soft keys that navigate the user through the configuration of each parameter, meter setup, and logging of data. The interface is intuitive for any user's level of experience.</i>				
	<i>Dedicated help key- Contextual help is always available through a dedicated "HELP" key. Clear tutorial messages and directions are available on-screen to quickly guide users through setup and calibration. The help information displayed is relative to the setting/option being viewed.</i>				
	<i>PC Connectivity- Logged data can be transferred to the Window's compatible PC with the included micro USB cable and software</i>				
	<i>Long Battery Life- The display of the meter has a battery icon indicator to show the remaining power. The meter uses four 1.5V AA batteries that provide up to 360 hours of battery life</i>				
	<i>Rugged Thermoformed Carrying case- The meter, probe and all accessories are supplied in a rugged carrying case designed to provide years of use. The inside compartment of the carrying case is thermoformed to securely hold and protect all of the components.</i>				
<b>166</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>167</b>	<b>Naphthaleneacetic Acid, 5g</b>	<b>btl</b>	<b>1</b>	<b>3,400.00</b>	<b>3,400.00</b>
	☑Branding the chemical to be purchase is following the protocol set for the project's protocol and standards				
	☑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				
<b>168</b>	<b>Test Tube with Screw Cap</b>	<b>pc</b>	<b>75</b>	<b>50.00</b>	<b>3,750.00</b>
	<i>Borosilicate 3.3 glass test tubes with screw cap</i>				
	<i>Capacity 10ml</i>				
	<i>Length x OD: 150 x 25mm</i>				
	<i>Round bottom</i>				
	<i>Includes bakelite screw cap with rubber liner</i>				
	<i>Excellent resistance to heat and chemicals</i>				
	<i>Tube and cap are autoclavable</i>				
	<i>13x100mm 10mL capacity</i>				
<b>169</b>	<b>Parafilm M PM-996 All Purpose Laboratory Film Parafilm sealing film 4 x 125ft</b>	<b>roll</b>	<b>1</b>	<b>2,800.00</b>	<b>2,800.00</b>
<b>170</b>	<b>Pasteur pipette</b>	<b>pc</b>	<b>50</b>	<b>20.00</b>	<b>1,000.00</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>171</b>	<b>pH 4 Buffer</b>	<b>btl</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
	<i>Laboratory gradeSize: 1L per bottle</i>				
<b>172</b>	<b>Pipettor Tip Box</b>	<b>pc</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>
	<i>Pipette Pipettor Tip Box, 200UL, 96holes;</i>				
<b>173</b>	<b>Plastic Graduated Cylinder</b>	<b>pc</b>	<b>2</b>	<b>300.00</b>	<b>600.00</b>
	<i>Capacity : 50ml</i>				
	<i>Material : Plastic</i>				
	<i>Color : Translucent</i>				
	<i>Shape : Cylindrical</i>				
	<i>Tolerance : 1ml</i>				
	<i>Graduated in milliliters : 1ml</i>				
<b>174</b>	<b>PLN 100x Objective Lens and Fluorescent Microspheres</b>	<b>lot</b>	<b>1</b>	<b>200,000.00</b>	<b>200,000.00</b>
	<b>1. PLN 100x Objective Lens</b>				
	<i>compatible with Euromex OX.2453-PLPHF</i>				
	<i>Compatible Cover Glass Thickness (mm): N/A</i>				
	<i>Field of View (mm): 0.22</i>				
	<i>Focal Length FL (mm): 1.8</i>				
	<i>Length excluding Threads (mm): 44.7</i>				
	<i>Magnification: 100X</i>				
	<i>Maximum Diameter (mm): 24</i>				
	<i>Numerical Aperture NA: 1.25</i>				
	<i>Mounting Threads: RMS / 20.32mm x 36 TPI</i>				
	<i>Compatible Tube Lens Focal Length (mm):</i>				
	<i>Focal Length: 180mm</i>				
	<i>Type: Microscope Objective</i>				

	Weight (g): 114				
	Working Distance (mm): 0.15				
	Resolving Power ( $\mu\text{m}$ ): 0.27				
	Depth of Field ( $\mu\text{m}$ ): 0.27				
	Field Number (mm): 22				
	Parfocal Length (mm): 45				
	Style: Infinity Corrected				
	Immersion Liquid: Oil				
	Depth of Focus ( $\mu\text{m}$ ): 1760				
	<b>2. Fluorescent microspheres (Catalog Code.: FS03F)- 1 pc</b>				
	Diameter= 0.50 $\mu\text{m}$				
	Volume= 5 ml				
	~1% solids (w/v) aqueous suspensions				
	Blue Excitation= 465- 495 nm				
	Fluorescence color- Dragon Green (480 nm, 520 nm)				
	<b>3. Fluorescent Polystyrene Beads (Catalog No.: 2104)- 2 pcs.= PhP 46, 394.16</b>				
	Diameter= 1.0 $\mu\text{m}$				
	Volume= 1 ml				
	Blue Excitation= 465- 495 nm				
	Particle density- 1.06 $\text{g}/\text{cm}^3$				
	Fluorescence color- Green (450 nm, 510 nm)				
<b>175</b>	<b>Potassium iodide, KI</b>	<b>btl</b>	<b>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	■Analytical reagent grade, powder, 500g/bottle				
<b>176</b>	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>	<b>btl</b>	<b>3</b>	<b>2,000.00</b>	<b>6,000.00</b>
	Analytical grade				
	Use for enzyme buffers and chemical assays				
	Bottle of 500g				
<b>177</b>	<b>Pyridoxine.HCl suitable for plant cell and tissue culture(25g)</b>	<b>btl</b>	<b>1</b>	<b>4,900.00</b>	<b>4,900.00</b>
<b>178</b>	<b>Retriever</b>	<b>pc</b>	<b>2</b>	<b>650.00</b>	<b>1,300.00</b>
	Magnetic stir bar retriever				
	used reach stir bars in deep/ big container PTFE coated & steel core, magnetic retrieve recover bar Science lab experiment equipment, recover stirring bars from containers easily Coated in white PTFE corrosion resistance, acid & alkali resistance, high temperature resistance Multipurpose - Stir a liquid or solution in biological, chemical, and research laboratory applications				
	Size : Length 250 mm				
	Material : Steel & PTFE (Polytetrafluoroethylene)				
	Color: White				
<b>179</b>	<b>Sodium Hexametaphosphate, 500g</b>	<b>btl</b>	<b>2</b>	<b>800.00</b>	<b>1,600.00</b>
<b>180</b>	<b>Sodium Hydroxide, AR 500G</b>	<b>btl</b>	<b>3</b>	<b>1,200.00</b>	<b>3,600.00</b>
	■500 g/bottle, AR, Pellets;				
<b>181</b>	<b>Stainless Steel Milk Canister, 20L capacity</b>	<b>unit</b>	<b>20</b>	<b>8,000.00</b>	<b>160,000.00</b>
	Stainless steel dairy equipment				
	Have side handles				
	Umbrella shaped lid				
	20 litre: 20cm neck, 45cm high				

<b>182</b>	<b>Steel Storage Cabinet for Glasswares</b>	<b>pc</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	☑Steel Storage Cabinet for Laboratory Glasswares				
	☑Dimension: W- 90cm x D- 50 cm x H- 185 cm				
	☑Materials: Metal/Glass				
	☑Color: Beige/White				
	☑4 Adjustable Shelves				
	☑With Keylock				
<b>183</b>	<b>Surgical Blade # 11 (100's)</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	• Carbon steel				
	• Stainless steel				
	• Individually packed on sterile pouches				
	• Disposable ✓Sold per box (100's)				
	Good Quality				
<b>184</b>	<b>Surgical Blade # 22 (100's)</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	• Carbon steel				
	• Stainless steel				
	• Individually packed on sterile pouches				
	• Disposable ✓Sold per box (100's)				
	Good quality				
<b>185</b>	<b>Test Tube Rack, 12 x 4 for 13 x 100mm test tubes</b>	<b>pc</b>	<b>5</b>	<b>800.00</b>	<b>4,000.00</b>
	☑Stainless steel;				
<b>186</b>	<b>Test Tube Rack, 20 mm x 24 tubes</b>	<b>pc</b>	<b>3</b>	<b>800.00</b>	<b>2,400.00</b>
	☑Stainless Steel, 20 mm diameter holes, capacity 24 test tubes				
<b>187</b>	<b>Thiamine.HCl suitable for plant cell and tissue culture (25gms)</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>188</b>	<b>Thumb Tissue Forcep for Dissection</b>	<b>pc</b>	<b>2</b>	<b>700.00</b>	<b>1,400.00</b>
	Features:				
	Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2				
	teeth: 8 inches long				
	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.				
<b>189</b>	<b>Triethanolamine, AR</b>	<b>liter</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
<b>190</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>191</b>	<b>Vortex Mixer</b>	<b>pc</b>	<b>1</b>	<b>12,000.00</b>	<b>12,000.00</b>
	S-0200- VX-200 Vortex Mixer;				
<b>192</b>	<b>Wash Bottle, 250mL cap.</b>	<b>pc</b>	<b>9</b>	<b>200.00</b>	<b>1,800.00</b>
	☑Material: Plastic (good quality);				
<b>193</b>	<b>Weighing Scale Flat, 50 kg</b>	<b>unit</b>	<b>10</b>	<b>6,000.00</b>	<b>60,000.00</b>
<b>194</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>195</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>196</b>	<b>Infrared Loop sterilizer</b>	<b>L</b>	<b>2</b>	<b>6,500.00</b>	<b>13,000.00</b>
	<i>Infrared Loop Sterilizer DS900,220v laboratory electric heating high temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms</i>				
<b>197</b>	<b>Portable pH Meter with Temperature probe</b>	<b>pc</b>	<b>1</b>	<b>14,000.00</b>	<b>14,000.00</b>
<b>198</b>	<b>Microscope Cleaning Kit</b>	<b>set</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	5-piece set:				
	-blower brush				
	-lens cleaning fluid				
	-lint-free lens paper				
	-soft lens cloth				
	- lint-free cleaning swabs				
<b>199</b>	<b>Soil Tension Meter</b>	<b>unit</b>	<b>1</b>	<b>17,000.00</b>	<b>17,000.00</b>
	Unit: Kgf , gf , N , Lbf				
	Measuring Principle: Strain gauge				
	Measuring Frequency: 16 msec (62.5 samples / sec)				
	Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm				
	Overload Capacity: 150 % of Full Scale				
	Temperature Coefficient: Zero : less than $\pm 0.3\%$ FS/ °C, Span : less than $\pm 0.01\%$ FS/ °C				
	Display: Blue Back light LCD				
	Display Update Rate: 0.5 , 1.0 , 2.0 or 4.0 seconds , selectable				
	Memory System: Current Value , Max. Value , Peak Value , Min Value				
	Overrange Indicator: Buzzer Alarm				
	Power Off: 10 Minutes Auto , Manual				
	Data Output: USB , B (Optional)				
	Roller Material: Stainless Steel ( Standard ), Plastic ( Optional )				
	Maximum Speed: 2000 m/min				
	Power Supply: 4 x 1.5 AAA( UM-4 ) Battery				
	Operation Temperature: 0 ~ 40 °C				
	Operation Humidity: < 80 %				
	Weight: 400 g				
	Size: Main Unit : 149 x 70 x 30 mm, Sensor : 102 x 81 x 34 mm				
	Essential details				
	Type: tension meter				
	Measuring Principle: Strain gauge				
	Measuring Range: 2K-50K				
	Measuring Frequency: 16 msec (62.5 samples / sec)				

	Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm				
	Model: LTTS-200, LTTS-500, LTTS-1K, LTTS-2K, LTTS-5K, LTTS-10K, LTTS-20K, LTTS-50K				
	Tension Range: 0~0.2kgf, 0~0.5kgf, 0~1.0kgf, 0~2.0kgf, 0~5.0kgf, 0~10.0kgf, 0~20.0kgf, 0~50.0kgf				
	0~200gf, 0~500gf, 0~1000gf, 0~2000gf, 0~5000gf				
	0~1.96N, 0~4.9N, 0~9.8N, 0~19.6N, 0~49N, 0~98N, 0~196N, 0~490N				
	0~0.44Lbf, 0~1.1Lbf, 0~2.2Lbf, 0~4.4Lbf, 0~11Lbf, 0~22Lbf, 0~44Lbf, 0~110Lbf				
	Resolution: 0.001kgf, 0.001kgf, 0.001kgf, 0.001kgf, 0.01kgf, 0.01kgf, 0.01kgf, 0.01kgf				
	1gf, 1gf, 1gf, 1gf, 1gf				
	0.001N, 0.001N, 0.001N, 0.01N, 0.01N, 0.01N, 0.01N, 0.01N				
	0.001Lbf, 0.001Lbf, 0.001Lbf, 0.001Lbf, 0.01Lbf, 0.1Lbf, 0.1Lbf, 0.1Lbf				
	Accuracy: ±1.0% or better, ±1.5% or better				
<b>200</b>	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>	<b>btl</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
<b>201</b>	<b>Paraffin Wax</b>	<b>bag</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	■Form: pellets, white				
	■Ign residue: ≤0.05%				
	■Melting point: 43-95 degrees celsius				
	■Solidification point: 54-56 degree celcius 1kg per bag				
<b>202</b>	<b>Fluorescent Polystyrene Beads (Catalog No.: 2104)</b>	<b>pc</b>	<b>2</b>	<b>50,000.00</b>	<b>100,000.00</b>
	Specifications:				
	Diameter= 1.0 um				
	Volume= 1 ml				
	Blue Excitation= 465- 495 nm				
	Particle density- 1.06 g/cm <sup>3</sup>				
	Fluorescence color- Green (450 nm, 510 nm)				
<b>203</b>	<b>DIVE BOOTIES</b>	<b>pc</b>	<b>4</b>	<b>1,000.00</b>	<b>4,000.00</b>
	HI CUT WITH LOCK AFTER ZIPPER				
	CRESS HIT CUT SIZES 7 (2 PAIRS)				
	SIZE 8 (2 PAIRS)				
<b>204</b>	<b>Cadmium(Cd), Uncoded hollow cathode</b>	<b>pc</b>	<b>1</b>	<b>30,500.00</b>	<b>30,500.00</b>
	Cadmium(Cd), Uncoded hollow cathode lamp for Agilent AAS 200.				
<b>205</b>	<b>Compost certified reference material</b>	<b>btl</b>	<b>1</b>	<b>26,000.00</b>	<b>26,000.00</b>
	certified /Matrix reference Material for Compost				
	AgroMAT CP-1 Standard Compost (100g)				
	Cat No. 140-025-111				
	Supplier: SCP Science Canada				
<b>206</b>	<b>Filter Cartridge for water purification system</b>	<b>pc</b>	<b>1</b>	<b>80,000.00</b>	<b>80,000.00</b>
	Filter cartridge for Thermo-Fischer Scientific water purification system				
	Cat No. 09.2005				
<b>297</b>	<b>Iron(Fe) hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>30,500.00</b>	<b>30,500.00</b>
	Iron (Fe) hollow cathode, Uncoded for Agilent AAS 200.				
<b>208</b>	<b>Lead(Pb), hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>33,500.00</b>	<b>33,500.00</b>
	Lead (Pb), Uncoded Lamp for Agilent AAS 220.				
<b>209</b>	<b>Magnesium (Mg), Hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>37,800.00</b>	<b>37,800.00</b>
	Magnesium (Mg), Uncoded hollow cathode lamp for Agilent AAS 200.				

<b>210</b>	<b>Manganese (Mn, Uncoded hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>36,000.00</b>	<b>36,000.00</b>
	<i>Manganese(Mn), Uncoded Hollow cathode lamp for Agilent AAS 200.</i>				
<b>211</b>	<b>Nickel(Ni), Hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>36,000.00</b>	<b>36,000.00</b>
	<i>Nickel(Ni), Uncoded hollow cathode lamp</i>				
<b>212</b>	<b>Plant tissue certified reference material</b>	<b>btl</b>	<b>1</b>	<b>58,000.00</b>	<b>58,000.00</b>
	<i>certified reference material for plant tissue</i>				
	<i>Hay Powder (30 g), BCR- 129</i>				
	<i>Supplier : European Commission</i>				
<b>213</b>	<b>Sodium (Na), Hollow cathode lamp</b>	<b>pc</b>	<b>1</b>	<b>36,000.00</b>	<b>36,000.00</b>
	<i>Sodium (Na), Uncoded hollow cathode lamp for Agilent AAS 200.</i>				
<b>214</b>	<b>Standard certified reference material for Sandy Soil</b>	<b>btl</b>	<b>1</b>	<b>26,000.00</b>	<b>26,000.00</b>
	<i>Certified Matrix Reference Material for Sandy Soil</i>				
	<i>AgroMAT Ag-1 Standard Sandy Soil 175 g</i>				
	<i>Cat. No. 140-025-101</i>				
	<i>Supplier: SCP Science Canada</i>				
<b>215</b>	<b>variable mechanical pipettor, 1-5 mL</b>	<b>pc</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	<i>variable mechanical pipettor, , 0.5 -5 ml, good quality, standard tips</i>				
<b>216</b>	<b>Plain Polystyrene Microspheres Cat. No.: 112</b>	<b>btl</b>	<b>1</b>	<b>50,000.00</b>	<b>50,000.00</b>
	<i>Plain Polystyrene Microspheres (1µm)</i>				
	<i>Product description and Characteristics:</i>				
	<i>Catalog No: 112</i>				
	<i>Lot Number: 107132B</i>				
	<i>Polymer: Polystyrene</i>				
	<i>Color: None</i>				
	<i>Target Mean Diameter : 1 µm</i>				
	<i>Actual Mean Diameter: 0.953 µm</i>				
	<i>Standard diameter: 0.195 µm</i>				
	<i>Number of Spheres (per mL): 2.10E+10</i>				
	<i>Anti-microbial agent: 2mM NaN3</i>				
	<i>Media: 0.1% Tween 20 in DI Water</i>				
	<i>Solid content: 1%</i>				
	<i>Storage: 2-8 °C</i>				
<b>217</b>	<b>Veterinary Endoscope</b>	<b>set</b>	<b>1</b>	<b>150,000.00</b>	<b>150,000.00</b>
	<i>Insertion tube: Charge-coupled device (CCD) chip (video-endoscope); Biopsy/suction channel; Irrigation/insufflation channel; Deflection control cables</i>				
	<i>Handpiece: Deflection control knobs; Accessory channel entrance; Irrigation/insufflation; Suction valves</i>				
<b>218</b>	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>	<b>pack</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>
<b>219</b>	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>	<b>pack</b>	<b>3</b>	<b>500.00</b>	<b>1,500.00</b>
<b>220</b>	<b>Apron, Sizes : at least 35" X 43"</b>	<b>pc</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	☑ <i>Heavy Duty Industrial Chemical Laboratory Apron</i>				
	☑ <i>Material: Neoprene</i>				
	☑ <i>Color : Black</i>				
	☑ <i>Chemical Resistant (Suitable protection against wide range of chemicals)</i>				
	☑ <i>Light weight</i>				

221	<b>Autoclave Tape</b>	pc	1	450.00	450.00
	☐turns black at 250°F,				
	☐width - 3/4 inch				
	☐length- minimum of 60 yards				
222	<b>Brush Suitable for 100mL Graduated</b>	pc	2	200.00	400.00
	☐Bristle Material: Black Nylon				
	☐Suitable for 100mL Graduated Cylinders				
223	<b>Burette Brush</b>	pc	1	150.00	150.00
	☐big size for 50 mL burette				
224	<b>Canada Balsam, for microscopy, 100ml</b>	btl	2	1,800.00	3,600.00
225	<b>Digital Weighing Scale, 50kg</b>	set	1	5,000.00	5,000.00
	☐1g accuracy				
	☐maximum of 50 kg				
	☐materials: metal				
226	<b>Disodium Hydrogen Phosphate Heptahydrate, AR, 500g/btl</b>	btl	1	3,000.00	3,000.00
	Analytical Reagent, 500g/btl				
227	<b>Garbage bag green (large) 10pcs/roll (pk of 10)</b>	roll	2	276.00	552.00
228	<b>Garbage bag green (medium) 25 pcs/roll (pk of 10)</b>	roll	2	145.00	290.00
229	<b>Giemsa stain set</b>	btl	1	2,826.00	2,826.00
	Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml				
230	<b>Lab Gown Long Sleeves L</b>	pc	1	500.00	500.00
	☐Lab Coat High-quality White				
	☐Size- Large; long sleeves				
231	<b>Lab Gown Long Sleeves M</b>	pc	1	500.00	500.00
	☐Lab Coat High-quality White				
	☐Long Sleeves, Medium size				
232	<b>Laboratory Safety Goggles</b>	unit	1	1,500.00	1,500.00
	Chemical and heat resistant				
	Anti-fog clear polycarbonate lens				
	Soft, flexible PVC body molds to facial contours for a comfortable fit				
	Resist a broad range of chemicals				
	Circular vents allow air to flow freely through the goggle body				
	Meet ANSI™ Z87.1-2010 or equivalent				
233	<b>Lactose Broth, 500g</b>	btl	1	4,800.00	4,800.00
234	<b>Lens Tissues, 25 Sheets per Booklet, 5 Booklets</b>	pack	2	800.00	1,600.00
235	<b>Methanol, Analytical Reagent Grade 2.5L per bottle</b>	btl	6	1,200.00	7,200.00
236	<b>Paraffin, Tissue Embedding Medium, Kg</b>	pack	6	1,500.00	9,000.00
	Tissue Embedding Wax, Medium				
	Pure Paraffin wax with Added Polymer for precise embedding and sectioning				
237	<b>Plastic Sharps Waste Container</b>	pc	6	300.00	1,800.00
	Made of high quality PE plastic, sturdy, thicken, lightweight, waterproof, durable.				
	This product is a waste sharps storage bin suitable for medical or laboratory use.				
	2L: app.14.5cmx13.5cm/5.71inx5.31in				
	4L: app.18.5cmx17.5cm/7.28inx6.89in				



<b>238</b>	<b>Potassium phosphate dibasic, K<sub>2</sub>HPO<sub>4</sub></b>	<b>btl</b>	<b>1</b>	<b>1,450.00</b>	<b>1,450.00</b>
	<i>Analytical grade</i>				
	<i>Use for enzyme buffers and chemical assays</i>				
	<i>Bottle of 500g</i>				
<b>239</b>	<b>Sodium phosphate monobasic, NaH<sub>2</sub>PO<sub>4</sub></b>	<b>btl</b>	<b>1</b>	<b>1,450.00</b>	<b>1,450.00</b>
	<i>500g</i>				
<b>240</b>	<b>Rectangular coverslip, 100/box</b>	<b>box</b>	<b>2</b>	<b>250.00</b>	<b>500.00</b>
	<i>Clear glass</i>				
	<i>Rectangular</i>				
	<i>W x L: 11mm X22</i>				
	<i>Thickness: 0.13-0.16mm</i>				
<b>241</b>	<b>Resealable Plastic Bag, Large</b>	<b>pack</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>
	☐resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs/pack				
<b>242</b>	<b>Sodium Tellurite at least 10 grams per bottle</b>	<b>btl</b>	<b>1</b>	<b>4,500.00</b>	<b>4,500.00</b>
	<i>Component of the Baird Parker Agar used in identifying Staph. aureus</i>				
<b>243</b>	<b>Storage Tray</b>	<b>pcs</b>	<b>10</b>	<b>60.00</b>	<b>600.00</b>
	☐Tray basket organizer				
	☐Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)				
	☐Plastic, any color				
<b>244</b>	<b>Transparent ziplock bags (20 x 30cm), 100pc/bag</b>	<b>bag</b>	<b>1</b>	<b>200.00</b>	<b>200.00</b>
<b>245</b>	<b>Violet Red Bile Agar, 500g</b>	<b>btl</b>	<b>1</b>	<b>4,800.00</b>	<b>4,800.00</b>
<b>246</b>	<b>Wright Stain</b>	<b>btl</b>	<b>1</b>	<b>2,826.00</b>	<b>2,826.00</b>
	<i>Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml</i>				
<b>247</b>	<b>Analytical Balance (500/0.001 g)</b>	<b>pc</b>	<b>1</b>	<b>14,950.00</b>	<b>14,950.00</b>
<b>248</b>	<b>Brush Suitable for cleaning 500mL Erlenmeyer Flask</b>	<b>pc</b>	<b>4</b>	<b>250.00</b>	<b>1,000.00</b>
	☐Bristle Color: White Bristle				
	☐Brush+Handle Length: 14"				
	☐Brush Diameter: 1 1/2"				
	☐Brush Length: 4"				
	☐Suitable for cleaning 500mL Erlenmeyer Flask				
<b>249</b>	<b>Haemocytometer Counting Chamber</b>	<b>set</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	<i>Material: colorless glass</i>				
	<i>Has two wells</i>				
	<i>Used for cell counting</i>				
	<i>Includes pipettes for RBC and WBC</i>				
<b>250</b>	<b>McMaster Counting Slides</b>	<b>set</b>	<b>1</b>	<b>6,000.00</b>	<b>6,000.00</b>
	<i>Count nematode egg</i>				
	<i>Egg per gram sensitivity: 25 EPG</i>				
	<i>Grid size: 1 cm x 1 cm</i>				
	<i>Volume under grid: 0.15 ml</i>				
	<i>Material: Acrylic</i>				
<b>251</b>	<b>Mortar and Pestle, Heavy Duty</b>	<b>unit</b>	<b>3</b>	<b>850.00</b>	<b>2,550.00</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>252</b>	<b>Stirring Rod</b>	<b>pc</b>	<b>6</b>	<b>50.00</b>	<b>300.00</b>
	☑Standard Size				
	☑Good Quality				
	☑with rubber policeman				
<b>253</b>	<b>Water Quality Test Meter</b>	<b>pc</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</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>254</b>	<b>WHITLOCK UNIVERSAL McMaster slide</b>	<b>set</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
	For nematode egg counting				
	Capacity: 4 chamber X 0.5ml				
<b>255</b>	<b>Aluminum weighing dish</b>	<b>box</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	100/pk, 20mL capacity				
<b>256</b>	<b>ASTM No. 100 Standard test sieve</b>	<b>pc</b>	<b>1</b>	<b>4,200.00</b>	<b>4,200.00</b>
	8in (203mm) diameter ASTM E11 Test Sieve has stainless steel woven-wire cloth with No. 100 (150µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #100 BU.				
	<b>Features:</b>				
	Individually serial numbered				
	Compliant with ASTM E11 requirements for Compliance Sieves				
	Included Items:				
	8" Sieve, All Stainless, Full Height, No. 100				
	Certificate of Conformance to ASTM E11 requirements				
	Accessories:				
	Sieve Pans nest underneath sieves to collect fines				
	Sieve Covers prevent sample loss during agitation				
	Verification Services provide NIST traceable documentation of opening sizes				
	ASTM E11 Opening Size: No.100 (150µm)				
	Sieve Frame Diameter: 8in (203mm)				
	Frame Height: Full Height				
	Stacked Frame Height: 2-1/8in				
	Overall Frame Height: 2-5/8in				
	Material: All Stainless Steel				
	Backing Cloth Included: No				
	Estimated Shipping Weight: 2.0lb (0.91kg)				
<b>257</b>	<b>ASTM No. 230 standard test sieve</b>	<b>pc</b>	<b>1</b>	<b>6,500.00</b>	<b>6,500.00</b>
	8in (203mm) diameter ASTM E11 Test Sieve has stainless steel				

	woven-wire cloth with No. 230 (63µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #230 BU.				
	<b>Features:</b>				
	Individually serial numbered				
	Compliant with ASTM E11 requirements for Compliance Sieves				
	<b>Included Items:</b>				
	8" Sieve, All Stainless, Full Height, No. 230				
	Certificate of Conformance to ASTM E11 requirements				
	<b>Accessories:</b>				
	Sieve Pans nest underneath sieves to collect fines				
	Sieve Covers prevent sample loss during agitation				
	Verification Services provide NIST traceable documentation of opening sizes				
	ASTM E11 Opening Size: No.230 (63µm)				
	Sieve Frame Diameter: 8in (203mm)				
	Frame Height: Full Height				
	Stacked Frame Height: 2-1/8in				
	Overall Frame Height: 2-5/8in				
	Material: All Stainless Steel				
	Backing Cloth Included: No				
	Estimated Shipping Weight: 2.0lb (0.91kg)				
<b>258</b>	<b>Beaker Glass/borosilicate</b>	<b>pc</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
	600 mL glass beaker				
	Short Form, wide mouth with pout				
<b>258</b>	<b>Beaker, Glass, 100mL</b>	<b>pc</b>	<b>6</b>	<b>500.00</b>	<b>3,000.00</b>
	■100mL capacity, borosilicate glass				
<b>260</b>	<b>Ethanol, AR, at least 95%v/v, 4L</b>	<b>gal</b>	<b>1</b>	<b>1,800.00</b>	<b>1,800.00</b>
<b>261</b>	<b>Graduated Cylinder</b>	<b>ltr</b>	<b>2</b>	<b>700.00</b>	<b>1,400.00</b>
	10-100 mL Translucent Plastic Graduated Cylinder				
<b>262</b>	<b>Graduated Cylinder 10mL (Translucent Plastic)</b>	<b>ltr</b>	<b>2</b>	<b>300.00</b>	<b>600.00</b>
	1-10 mL graduated cylinder (Translucent Plastic)				
<b>263</b>	<b>Iodine crystals</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	Analytical Grade resublimed, 500g per bottle				
<b>264</b>	<b>Mini Electric bean grinder</b>	<b>unit</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Material : Stainless steel				
	Power : 150W Voltage : 220V/50HZ				
	Capacity : 50-400ML about 150G food				
	Size : Diameter 10.5cm Height 17cm				
<b>265</b>	<b>Mortar and Pestle (small)</b>	<b>pc</b>	<b>1</b>	<b>300.00</b>	<b>300.00</b>
<b>266</b>	<b>Potassium iodide, KI</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	■Analytical reagent grade, powder, 500g/bottle				
<b>267</b>	<b>Potato Amylose (Type III)</b>	<b>btl</b>	<b>1</b>	<b>31,000.00</b>	<b>31,000.00</b>
	Product Information:				
	Material Number / SKU: A0512-5G				
	Description:				

	<i>Amylose from potato, used as amylase substrate</i>				
	<i>Foreign Trade Commodity Code: 39139090</i>				
	<i>CAS Number: 9005-82-7</i>				
	<i>Packaging Information: 5 g in poly bottle</i>				
<b>268</b>	<b>High Duty Blender</b>	<b>unit</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>-Power – 375-watt motor</i>				
	<i>– Speed – 10-speed push button</i>				
	<i>– Function – Controlled/pulse blending (buttons 1-3) or continuous blending (buttons 4-10)</i>				
	<i>– Durability – Exclusive All-Metal Drive™ system</i>				
	<i>– Blade – High performance ice-crushing stainless steel blade</i>				
	<i>– Capacity – 5-cup (1.25L) heat-resistant glass jar</i>				
	<i>– Warranty – 1 Year Household Warranty</i>				
	<i>– Dimensions – 26 x 18 x 32 cm</i>				
<b>269</b>	<b>Compact Bench Scale</b>	<b>unit</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
	Battery Life: Up to 1500 Hours				
	Calibration: External Digital Calibration Software				
	Construction: ABS Housing				
	Display Type: Backlit LCD				
	Includes: Integrated Level Bubble, Adjustable Feet, Selectable Auto-Off, Selectable Weighing Units, In-Use Cover, and Integrated Carrying Handles for Easy Transportation				
	Model: V12P30				
	Stabilization Time: ≤ 2 sec.				
	Temperature (Metric) Operating: 0°C to 40°C				
	Weighing Modes: Gram, Kilogram, Pound, Ounce, Pound/Ounce				
	Length (English) Pan: 9.65 in.				
	Width (English) Pan: 7.48 in.				
	Depth (Metric): 260 mm				
	Weight (Metric): 2.5 kg				
	Battery Type: 4 D, Sold Separately				
	Certifications/Compliance: NSF, USDA-AMS				
	Capacity: 30 kg, 60 lb.				
	Readability: 0.01 lb. (5 g)				
	Material: Stainless Steel (Platform)				
	Resolution: 1:6,000 (Pounds)				
	Temperature (English) Operating: 32°F to 104°F				
	Type: Compact Bench Scale				
	Dimensions (L x W x H): 10.6 x 10.2 x 4.8 in. (270 x 260 x 122 mm)				
	Length (Metric) Pan: 245 mm				
	Width (Metric) Pan: 190 mm				
	Weight (English): 5.5 lb.				
	Electrical Requirements				
	Power Requirements: AC Power Adapter, Included				
<b>270</b>	<b>DIAL THERMOMETER</b>	<b>pcs</b>	<b>20</b>	<b>500.00</b>	<b>10,000.00</b>
	<i>Dimensions HxWxD: 1" x 5" x 1" (25 x 127 x 25 mm)</i>				
	<i>Weight: 0.05 lbs (0.02 kg)</i>				
	<i>Temperature Range: 0°F-220°F</i>				

	<i>Units: Fahrenheit</i>				
	<i>Adapter/Batteries: Analog, No Batteries Required</i>				
	<b>FEATURES / BENEFITS</b>				
	<i>NSF Certified</i>				
	<i>Dishwasher safe</i>				
	<i>Shatterproof lens</i>				
	<i>Magnified dial</i>				
	<i>Protective sheath included</i>				
<b>271</b>	<b>Flat Plate Weighing Scale, 30KG</b>	<b>unit</b>	<b>10</b>	<b>4,050.00</b>	<b>40,500.00</b>
	<i>Table Scale, Large, Mechanical Dial Type, Legal for Trade, Anti-Bacterial Powder Coat, Flat Plate</i>				
	<i>Capacity: 30 kg</i>				
	<i>Graduation / Readability: 0.1 kg</i>				
	<i>Type: Mechanical</i>				
<b>272</b>	<b>MILK PAIL STAINLESS, 5 Liter Capacity</b>	<b>pc</b>	<b>55</b>	<b>5,000.00</b>	<b>275,000.00</b>
	<i>Ideal for Milk for calves, food or for milk processing.</i>				
	<i>Fully Stainless steel food grade bucket.</i>				
	<i>Inside and outside high-gloss polished</i>				
	<i>Graduation in litres</i>				
	<i>Holds 5 litres</i>				
<b>273</b>	<b>STAINLESS FUNNEL</b>	<b>pcs</b>	<b>50</b>	<b>2,000.00</b>	<b>100,000.00</b>
	<i>DIM: 16 X 19 CM</i>				
	<i>Made of stainless steel, durable and easy to clean</i>				
<b>274</b>	<b>Stainless Steel Milk Canister, 10L capacity</b>	<b>can</b>	<b>50</b>	<b>6,000.00</b>	<b>300,000.00</b>
	<i>Material: 304 SS (AISI)</i>				
	<i>Grade: AISI</i>				
	<i>Capacity: 10L</i>				
	<i>Overall Height: 229mm</i>				
	<i>Overall Width: 292mm</i>				
	<i>Overall Length:229mm</i>				
	<i>Thickness:1.2mm</i>				
	<i>Suitable: Carrying Milk</i>				
	<i>Packing: 1 Pcs</i>				
	<i>Weight: 1.4kg</i>				
<b>275</b>	<b>LABORATORY ALCOHOL LAMP PLASTIC COVER</b>	<b>pc</b>	<b>10</b>	<b>150.00</b>	<b>1,500.00</b>
	<i>Alcohol Burner Lamp</i>				
	<i>Capacity: 50ml</i>				
	<i>Glass alcohol burner for lab and craft</i>				
	<i>Height(mm):118</i>				
	<i>Dimension: 6cm x 16cm x 9cm</i>				
<b>276</b>	<b>Test tube Clamp/Holder</b>	<b>pcs</b>	<b>10</b>	<b>100.00</b>	<b>1,000.00</b>
	<i>6.25 inches long with finger grips</i>				
	<i>Holds any size test tube.</i>				
<b>277</b>	<b>Test Tube Rack 50pcs socket, Plastic</b>	<b>pc</b>	<b>15</b>	<b>250.00</b>	<b>3,750.00</b>
	<i>Holds 50 test tubes</i>				
	<i>Color white</i>				
				<b>TOTAL</b>	<b>6,195,319.00</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 Orders*. 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 *03-23, 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 quoted as shown below.

Total ABC Quoted	Applicable Fee
1,000,000.00 and below	1,000.00
1,000,001.00 to 5,000,000.00	5,000.00
Above 5,000,001.00	10,000.00

5. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
6. The *Visayas State University* will hold a Pre-Bid Conference on ***April 11, 2024; 2:00 PM*** 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.

7. 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 ***23 April 2024 until 8:30 AM***. Late bids shall not be accepted.

8. 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.
9. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
10. Bid opening shall be on **23 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.

11. 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.
12. 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)*

13. You may visit the following websites:

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

*April 01, 2024*



**DILBERTO O. FERRAREN**  
*Chairperson, VSU BAC*

## ***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-24-33***.

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 One Hundred Ninety Five Thousand Three Hundred Nineteen Pesos (PhP 6,195,319.00)*.

2.2. The source of funding is: *GF, STF and TF 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 23, 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, Supplies and Chemicals</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 Three Thousand Nine Hundred Six and 38/100 Pesos (PhP 123,906.38) 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 Nine Thousand Seven Hundred Sixty Five and 95/100 Pesos (PhP 309,765.95) 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:  <u><b>Vivian V. Balbarino</b></u>  <i>Head, Supply and Property Management 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 atleast 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	pc	1	<b>0-90% Brix Portable Brix Refractometer Fruit Sugar Meter</b>	All items should be delivered to VSU Main Campus, Visca, Baybay City, Leyte within <b>90 Calendar Days</b> from receipt of Notice to Proceed and Purchase Order
			<i>Measuring Range: 0-90% Brix</i>	
			<i>Minimum Division: 0.5% Brix Accuracy: ±0.5%</i>	
			<i>ATC Compensation Range: 10°C~30°C (50°F~86°F)</i>	
			<i>Reference Temperature: 20°C</i>	
			<i>Length: 170mm</i>	
			<i>Weight: 250g</i>	
2	pc	1	<b>18L Pressure Steam Autoclave Sterilizer</b>	
3	pc	10	<b>250 ml Reagent/ Media Bottle</b>	
			<i>Clear bottles</i>	
4	box	6	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	
5	pc	10	<b>500 ml Reagent/ Media Bottle</b>	
			<i>clear bottles</i>	
6	pack	5	<b>90mm x 15 mm Disposable Plastic Petri Dish</b>	
			<i>50 pc/pack</i>	
7	gal	10	<b>Alcohol, Denatured</b>	
8	pack	3	<b>Ammonium Acetate, AR, 500g</b>	
9	btl	1	<b>Ammonium Flouride</b>	
			☐ <i>White crystalline</i>	
			☐ <i>ACS reagent, ≥98.0%</i>	
			☐ <i>500g</i>	
10	btl	3	<b>ammonium molybdate</b>	
			<i>ammonium molybdate, analytical reagent - 500 g.</i>	
11	unit	1	<b>Analytical Balance (Maximum Capacity 220g)</b>	
			<i>FEATURES:</i>	
			<i>Large viewing angle with bright backlit LCD display. 2 line display provides</i>	
			<i>additional information or guidance prompts to the user. Capacity bar displays</i>	
			<i>the weighing progress.</i>	
			<i>• A static removal bar (constructed of permanent static electric dissipative ABS)</i>	
			<i>provides a convenient grounding location.</i>	
			<i>• Four quick keys enable easy operation of multiple weighing modes.</i>	
			<i>• RS232 and USB device ports allow for easy connectivity to PCs and PLCs. Equipped</i>	
			<i>with a security lock to prevent unauthorized use.</i>	
			<i>SPECS:</i>	



			Capacity (g): 220
			Readability: 0.1 mg
			Repeatability std (g): $\pm 0.0001$
			Linearity (g): $\pm 0.0002$
			Weighing Units: gram, milligram, mesgal, momme, Newton, ounce,
			pennyweight, Baht, carat, grain, pound, Tael (Hong Kong), Tael, (Singapore), Tael (Taiwan), tical, tola, troy ounce
			Pan Size: $\varnothing 90$ mm
			Power Requirements: AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz
			AC Adapter Output: 12 VDC 0.84A
			Shipping Dimensions: 507 × 387 × 531 mm
			Net Weight: 5.1 kg
12	set	1	<b>Anemometer, Rotating Vane and Thermistor, Data logging, Digital</b>
			☐ Measurement Units:
			◀ Velocity: m/s, km/h, ft/min, knots, mile/hr
			◀ Temperature: °C or °F
			◀ Resolution: 0.1°C (0.1°F) / 0.01m/s
			☐ Memory Card: SD memory card
			◀ Data Output:
			◀ RS232: With optional cable/software
			◀ USB: With optional cable/software
			◀ Operating Temperature: 0 to 50°C (32 to 122°F)
			◀ Power: heavy-duty batteries, or 9V power adaptor (optional)
13	pack	5	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>
14	pack	5	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>
15	pc	1	<b>Barometer/Thermometer/Humidity Data Logger</b>
			Barometric Pressure : 10 to 1100 hPa; 7.5 to 825.0 mmHg; 0.29 to 3248 inHg
			Resolution : 0.1 hPa, 0.1mmHg, 0.01inHg
			Temperature: 32 to 122°F (0 to 50°C)
			Resolution/Basic Accuracy: 0.1°F(°C) / $\pm 1.5^\circ\text{F}$ (0.8°C)
			Relative Humidity: 10 to 90%RH
			Resolution/Basic Accuracy: 0.1% / $\pm(4\%$ of rdg + 1% RH)
			Datalogging: 20M data using 2G SD card
			Dimension: 5.2 x 3.1 x 1.3" (132 x 80 x 32mm)
			Weight: 10oz (285g)
16	pc	2	<b>Brush Suitable for 10mL Graduated Cylinder</b>
			☐ Bristle Material: Black Nylon
			☐ Suitable for 10mL Graduated Cylinder
17	btl	1	<b>Buffer Solution pH 10, 500 mL</b>
18	btl	1	<b>Buffer Solution pH 4, 500 mL</b>
19	btl	1	<b>Buffer solution, pH 7, 1000 ml.</b>

20	set	1	<b>BULK DENSITY SOIL SAMPLER KIT WITH COMPACT SIDE HAMMER -AMS77458</b>
			-Standard set to a depth of 2 meter
			-The kit is used for sample rings with a diameter of 60mm
			-Soil sampling kits are used for a variety of tests, including bulk density determination of soil.
			Suitable for hammering
			Soil sample ring of 60mm
			For use with the compression test (08.87) & shear/compression test apparatus (08.68)
			Sample ring protected by ring holder
			standard set for a depth of 2 meters
21	kg	1	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>
22	btl	1	<b>Chromogenic agar for E.coli</b>
			purpose: selective medium for simultaneous detection of E. coli and other coliforms in water and food samples
			1 btl 500g
23	btl	1	<b>Chromogenic Agar for Enterococcus</b>
			purpose: for selective and differential identification of Enterococcus species
			1 btl 500g
24	btl	1	<b>Chromogenic agar for Salmonella</b>
			purpose: for identification of Salmonella species from other organisms in the family Enterobacteriaceae
			1 btl 500g
25	pc	1	<b>Compound Light Microscope with Camera</b>
			Specifications:
			Head - Trinocular, 30° incline, 360° rotatable
			Interpupillary Adjustment- Siedentopf compensation-free gemel, 48-75 mm
			Ocular Diameter- 30mm
			Ocular Diopters- left ocular
			Eyepieces- 10X
			Photo Port- height-adjustable YX series, 23mm tube mount
			Objective Lenses- Infinity-corrected
			Objective Parfocal Distance- 45mm
			Objective Mounting Thread- RMS 20.32mm
			Objective Turret- Reverse quintuple, ball-bearing movement
			Focusing System- Coaxial coarse and fine focus, tension control
			Focus Range- Travel - 24mm
			Coarse Stroke - 37.7mm per rotation
			Fine Stroke - 0.1mm per rotation
			Stage Design- Double-layer with caliper
			Stage Dimensions- 185mm x 142mm

			X-Y Translation Range- 75mm x 55mm
			Transmitted Illumination- 6V30W halogen, continuous-adjustment,
			rear-mount housing with aspherical collector
			Condenser- NA0.9/0.25 achromatic swing condenser with iris diaphragm
			Sub-stage Condenser-holder - rack and pinion
26	btl	2	<b>D-Chloroform</b> 50 mL/btl
			Chloroform-d (Deuteriochloroform, CDCl <sub>3</sub> ), deuterated chloroform, is a Standard purity solvent for NMR (Nuclear Magnetic Resonance) analyses
27	pc	15	<b>Drager Aspirator Bulb</b>
28	btl	6	<b>Ethanol Absolute</b> , 2.5 Liters/ bottle
29	btl	2	<b>Ferrous sulfate (FeSO<sub>4</sub>, 7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			500 grams
30	box	1	<b>Filter Paper</b>
			☐Filter Paper No.1
			☐Qualitative Circles 125mm (12.5cm)
			☐Qty/box: 100 pieces per box
			☐Porosity: Medium
			☐Flow Rate: Medium
31	box	5	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>
			☐Pore size:2.5um
			☐at least 100 pcs. per box
32	btl	11	<b>Formaldehyde</b>
			Analytical Reagent Grade 2.5L per bottle
33	unit	2	<b>Freezer</b>
			Microprocessor temperature control with LED display
			The inner temperature range: -25 °C~-30 °C
			Multiple sensors to display or control the temperature
			Lock protection and Malfunction alarms
			Uses a highly efficient famous brand compressor and fan with shelves/drawers
			CFC-Free/HCFC refrigerant
			AC 220V with AVR
			Minimum 100L capacity
			Around 590x590x900(mm)
34	unit	1	<b>Gel Imaging Device</b>
			Exceptional Resolution – 5MP Scientific Camera
			Ready to Use – Ready to connect to PC out of the box
			Innovative cabinet – Built in UV transilluminator, safety shut off switch and viewing port
			Large Field of view – 20cm x 24 cm viewing area
			No focus needed – never have to touch camera
			AutoExposure – no manual manipulation of aperture or shutter speeds required.
			Camera- 5 MP (2592 x 1944), scientific grade sensor

			Power- 150v/400ma
			Lens- 8 mm, F 1.4 hands free lens with Smart Capture technology
			Cabinet- Built in UV transilluminator with safety cut-off switch
			Dimensions- 34.6 x 31.1 x 68.6 cm
			Weight- 21.4 kg
35	btl	1	<b>Glacial Acetic Acid</b>
			☑Analytical Reagent grade 2.5L per bottle
36	pc	100	<b>Glass Petri Plates, 100mm x 15mm</b>
			glass
			100mm x 15mm
			for microbiology use
			autoclavable
37	box	5	<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
38	box	5	<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
39	box	6	<b>Gloves, Nitrile, Small</b>
			☑box or 100-50 pairs, small
			☑natural rubber latex-free, powderless
			☑micro grip
40	pc	1	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			6 inches; 0.01-0.025 mm accuracy
41	unit	1	<b>Horizontal Electrophoresis Apparatus</b>
			Output voltage/current- 10V to 150V/10 - 400 mA
			Timer- 0 - 99 hr or continuous, audible alert
			Overall Dimensions (W x D x H)- 10 x 6.7 x 2.5 in./24.5 x 17 x 6.2 cm
			Gel Capacity- 1 large (12.5 x 12 cm), 2 small (12.5 x 6 cm), 4 micro (6 x 6 cm)
			Program memory- Last programmed parameters saved
			Electrical- Universal 100V- 240V, 50/60 Hz
42	pack	2	<b>Inoculating Loop Stainless Steel</b>
			☑10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology
43	unit	1	<b>Inverted Microscope with Camera and Monitor</b>

			Total Magnification 100X~400X (Standard)
			Eyepiece: WF10X, Ø22mm, WF16X (Optional), Ø11mm
			Eyepiece Diameter: around Ø30mm
			Parfocal Distance: around Ø10mm
			BF Objective: 10X/0.25, 20X/0.40, 40X/0.60
			Phase Contrast Objective: 10X/0.25 (20X 40X optional)
			Nosepiece: Quadruple
			Focusing minimum division of the focusing: around 2 µm/ Effective distance: around 11mm
			Double Layer Mechanical Stage (Size: around 112 x 79)
			Condenser: LWD condenser, around W.D. 70mm, with phase-contrast
			Petri Dish: around 86mm x 129.5mm, suitable for circle dish Ø87.5mm
			around 34mm x 77.5mm, suitable for circle dish Ø68.5mm
			around 57mm x 82mm
			Phase Contrast System: Sliding phase contrast equipment, center adjustable
			Light Source: at least 9W LED, with brightness control
			Electrical: 220VAC, 50 Hz, with voltage regulator
44	btl	1	<b>Isopropyl alcohol</b>
			☐(CAS 67-63-0)
			☐2 liters,
			☐Anhydrous,
			☐99.5%,
45	pc	5	<b>Lab Gown Long Sleeves L</b>
			☐Lab Coat High-quality White
			☐Size- Large; long sleeves
46	pc	7	<b>Lab Gown Long Sleeves M</b>
			☐Lab Coat High-quality White
			☐Long Sleeves
			☐Medium size
47	pc	35	<b>Laboratory Chair</b>
			Dimension: 34"height
			Durable fixed-height lab stools feature a steel seat attached to a steel plate, which is welded to a heavy-duty tubular base
			Stools also have a fixed tubular footring, welded on both top and bottom for durability, and glides.
48	unit	3	<b>Laboratory Tables</b>
			Dimension: 3.5 m x 1.2m x 85cm height
			Table Top: at least 12.7 mm thickness corrosion-resistant white Solid phenolic resin board with at least 25.4 mm thickness edge sealing
			Power socket: 10 power socket 220V per table
49	pack	2	<b>Laboratory Weighing Boats</b>
			☐Plastic, 100 mL
			☐at least 100 pcs. pack

50	btl	1	<b>Lactophenol Cotton Blue Solution</b>
			●250ml;
51	unit	1	<b>Laminar Flow Hood (Double)</b>
			External Size (W*D*H)- 1040*660*1770mm
			Internal Size (W*D*H)- 940*560*545mm
			Work Surface Height- 750mm
			Display- LED Display
			Airflow Velocity- Average of 0.3~0.5m/s
			Material- Main Body: Cold-rolled
			steel with anti-bacteria
			powder coating
			Work Table: 304
			stainless steel
			Pre-filter- Polyester fiber, washable
			HEPA Filter- 99.995% efficiency at 0.3µm
			Noise- <65dB
			Front Window- Manual, 5mm toughened glass, anti-UV
			Max Opening- 310mm
			UV Lamp- 20W*1
			Emission of 253.7 nanometers
			LED Lamp- 12W*1
			Consumption- 350W
			Caster- Universal caster with leveling feet
			Power Supply- AC220V±10%, 50/60 Hz; 110V±10%, 60 Hz
			Standard Accessory- LED lamp; UV lamp*2; Base stand.
			Optional Accessory- Electric height adjustable base stand
			Gross Weight- 150kg
			Package Size (W*D*H)- 1190*890*1340mm
52	unit	1	<b>Laminar Flow Hood/Cabinet</b>
			Polypropylene with Transparent PVC side windows, Washable polyurethane foam filter,
			Particle count exceeds Class 100 requirements
			Final Filters:HEPA: 99.99% efficient at around 0.3µm particles
			Fan Motor:.333 HP at high speed; .25 HP at low speed
			Average airflow velocity: around 90 feet/minutes (fpm)
			Electrical:220VAC, 50 Hz
			Size: Around 2x4 ft
			Low noise at 52.4 dBA
53	btl	1	<b>Litmus Milk medium</b>
			A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment
54	rolls	5	<b>Masking tape, autoclavable, for laboratory use</b>
			1" wide x 55m length;
55	btl	4	<b>Methanol 2.5L</b>

			<i>Analytical Reagent Grade 2.5L per bottle;</i>
<b>56</b>	<b>pc</b>	<b>50</b>	<b>Microwaveable food grade rectangular container 750ml</b>
<b>57</b>	<b>btl</b>	<b>1</b>	<b>Mueller Hinton Agar</b>
			<i>Medium used for conducting the antibiotic sensitivity test.</i>
			<i>supplied in 500g/bottle</i>
<b>58</b>	<b>btl</b>	<b>1</b>	<b>Mueller Hinton Broth, 500gms</b>
<b>59</b>	<b>btl</b>	<b>1</b>	<b>Nutrient Gelatin</b>
			<i>Nutrient Gelatin, 500g</i>
<b>60</b>	<b>pc</b>	<b>50</b>	<b>petri dish with cover</b>
			<i>Glass</i>
			<i>Petri Dish Style: 100 x 15mm</i>
			<i>Top Style: Beaded Rim</i>
			<i>Surface Treatment: Not Treated</i>
			<i>Diameter: 95mm (approx.)</i>
			<i>Height: 17mm (approx.)</i>
			<i>Autoclavable</i>
<b>61</b>	<b>unit</b>	<b>1</b>	<b>pH Meter</b>
			<i>Range: -2.000 to 20.000 pH</i>
			<i>Resolution: 0.001, 0.01, 0.1 pH</i>
			<i>Accuracy: ±0.002 + 1 LSD</i>
			<i>Calibration: Up to 6 (USA, NIST, DIN, or custom buffer sets)</i>
			<i>Connectors</i>
			<i>BNC: mV</i>
			<i>Range: ±2000.0 mV</i>
			<i>Resolution: 0.1 mV</i>
			<i>Accuracy: ±0.2 mV</i>
			<i>Calibration: Offset up to +150 mV</i>
			<i>Connectors: BNC</i>
			<i>Temperature</i>
			<i>Range: 0.0 to 100.0°C (32.0 to 212°F)</i>
			<i>Resolution: 0.1°C or °F</i>
			<i>Accuracy: ±0.3°C (±0.5°F)</i>
			<i>Connectors: 2.5 mm phono</i>
			<i>Temperature compensation: manual or automatic from 0 to 100°C (32 to 212°F)</i>
			<i>Memory: up to 500 data sets with time/date stamp</i>
			<i>Output: RS-232, 9-pin female</i>
			<i>Display: 3 1/4 " x 2 7/16 " (8.3 x 6.2 cm) graphic LCD with backlight</i>
			<i>Operating temperature: 0 to 50°C (32 to 122°F), noncondensing humidity</i>
			<i>Power: universal 110/240 VAC, 50/60 Hz with adapter; UL/CSA listed</i>
			<i>Dimensions</i>
			<i>Meter: 6 1/8 " x 6 7/8 " x 2 3/4 " (15.5 x 17.5 x 6.9 cm)</i>
			<i>Boxed: 12" x 9" x 5" (30.8 x 15.5 x 12.4 cm)</i>

			<i>Weight: Meter only: 1.4 lb (0.6 kg); Boxed: 4 lb (1.8 kg)</i>
62	pc	1	<b>pH Meter pen type</b>
			☑0.1 pH resolution
			☑water-resistant/proof
63	pc	5	<b>Polycarbonate Safety Goggles</b>
			<i>Indirect ventilation.</i>
			<i>Flexible PVC and nylon frame.</i>
			<i>Panoramic screen.</i>
			<i>Adapted to wear with glasses and disposable respiratory half-masks.</i>
			<i>Wide elastic strap.</i>
64	btl	1	<b>Potassium antimony tartrate</b>
			<i>Analytical reagent grade, 500g/bottle</i>
65	btl	2	<b>potassium antimony tartrate (III) hydrate, AR, 500g</b>
66	btl	3	<b>Potassium Bromide 500g/btl</b>
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
67	btl	1	<b>Potassium Chloride, AR, 1000g</b>
68	btl	3	<b>Potassium dichromate, AR Grade</b>
			☑500 grams/poly bottle
69	btl	1	<b>Potassium Hydroxide</b>
			☑Flakes
			☑Analytical Grade
			☑1kg
70	btl	2	<b>Potassium sulfate, K<sub>2</sub>SO<sub>4</sub></b>
			<i>Analytical reagent grade, 500g/bottle;</i>
71	btl	3	<b>Sabouraud Dextrose Agar, 500g;</b>
72	kg	6	<b>sodium carbonate</b>
			<i>sodium carbonate - analytical grade, 1.00 kg</i>
73	btl	1	<b>Sodium Chloride</b>
			<i>Analytical Reagent Grade 500g per bottle</i>
74	btl	23	<b>Sodium Hexametaphosphate, 500g</b>
75	btl	3	<b>Sodium Hydroxide, AR 500G</b>
			☑500 g/bottle, AR, Pellets
76	btl	2	<b>Sodium Nitrate 500g/btl</b>
			☑Anhydrous
			☑Lab grade/ Analytical reagent grade
			☑Expiration date(3 years from the delivery date)
			☑Packed in Teflon bottles
77	set	5	<b>Soil Test Kit</b>
78	btl	1	<b>Standard Method Agar (PCA)</b>
			<i>Plate Count Agar</i>
			<i>500g</i>
79	pc	1	<b>Stereo zoom microscope with camera and monitor</b>
			<i>Microscope Specs:</i>



			Viewing Head-Trinocular body with viewing head that rotates 360°. Head locks in place with tightening screw. Dual diopters on each eyetube. Light is directed 100% to eyetubes and trinocular port.
			Eyepieces- Widefield 10x eyepieces / FN 20mm. Accepts 24mm diameter reticle.
			Zoom Ratio- 6.4:1
			Objectives- Zoom range of 0.7x- 4.5x.
			Stand- Rugged cast metal frame track stand with white enamel finish. Transmitted and reflected LED illumination. Top and bottom LED lights each have their own rheostat controls. Supplied with 95mm frosted stage plate and black/white stage plate. Two locked-on stage clips. CE Certified. 115~230V.
			Focusing- Coarse focus adjustment.
			Working Distance- 100mm
			Illumination- Transmitted and Reflected LED illumination with intensity control and on/off switch for each light.
			C-Mount Adapter- 0.35x C-Mount Adapter
			Camera- HD 1080p camera, live resolution 1920×1080 pixels. 2mp image capture to SD card. Live image 1080p / 60 fps. HDMI connection to 12" HD monitor. Image capture to SD Card. Camera controls for exposure, gain, white balance, color adjustment, sharpness. Includes mouse for on-screen controls. HDMI direct connection to monitor.
			Monitor- 12" LCD HDMI monitor, 1080p. LED backlight. Monitor mounts directly to HD camera and includes 110~240V power cord and HDMI cable.
			Dimensions- 9.5" W x 11.5" D x 15" H.
			Weight- 11 lbs.
			Warranty- 5-year limited warranty on microscope, 1 year on tablet camera.
80	btl	3	<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 500 mL
81	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
82	pc	1	<b>Temperature Data Logger</b>
			☐High accuracy temperature logger
			☐Logger can be connected to the PC
			☐via USB for data import and export to excel or pdf.
83	pack	2	<b>Test Tube Brush</b>
			☐For test tubes
			☐Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.
			☐Length: at least 10 inches

			☐Brush size diam. × L: utmost 1 3/8 in. × 4 in.
			☐Pack of 4 brushes
84	bag	1	<b>Test tube Cap for 16mm Glass test Tubes, Clear, 100/Bag</b>
			<i>Description:</i>
			<i>Polypropylene (PP)</i>
			<i>Autoclavable</i>
			<i>Ridges inside cap provide secure grip and gas exchange</i>
			<i>Maintain sterility without cotton plugging</i>
85	pack	10	<b>Weighing Paper Sheet, Non-Absorbing</b>
			<i>High-Gloss Pack of 500</i>
86	pc	2	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>
			☐Bristle Color: White Bristle
			☐Brush+Handle Length: 12"
			☐Brush Diameter: 1 3/8"
			☐Brush Length: 3 1/2"
			☐Suitable for cleaning 250mL Erlenmeyer Flask
87	pack	2	<b>Pipette Dropper with Rubber Head</b>
			☐Pipette Dropper with Rubber Head
			☐Capacity: 10mL
			☐Material: Glass/Borosilicate Glass
			☐12PCS/PACK
88	pc	60	<b>Laboratory Stool/Chair, Wheeled</b>
			<i>Anti-static stool</i>
			<i>Adjustable height: at least 40-60 cm</i>
			<i>Weight capacity: at least 300lbs</i>
			<i>Ergonomic with hip to mid-waist level back support</i>
			<i>With round footrest/ foot ring</i>
			<i>Anti-slip seat material: Rugged polyurethane</i>
			<i>No. of wheels: 5</i>
			<i>Standard style w/polished aluminum base: 20"-30"</i>
			<i>Seat shape: Round</i>
			<i>Color: Black</i>
89	kg	1	<b>Agar Agar</b>
90	kg	2	<b>Ammonium nitrate (NH<sub>4</sub>NO<sub>3</sub>) suitable for plant cell and tissue culture</b>
91	btl	1	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>
			<i>Dried</i>
			<i>1.5-2.5mm</i>
			<i>Molecular Weight: 246.47</i>
			<i>500grams</i>
92	btl	1	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>
93	canister	2	<b>Ethyl Alcohol (95%)</b>
			<i>Container Size: Plastic waterjug 20L</i>
94	btl	1	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant</b>

			<b>cell and tissue culture</b>
			<i>Wt. 169.01</i>
			<i>Colourless efflorescent crystals</i>
			<i>500 grams</i>
<b>95</b>	<b>kg</b>	<b>2</b>	<b>Potassium Nitrate (KNO<sub>3</sub>) suitable for plant cell and tissue culture</b>
			<i>1 kilogram of Potassium Nitrate</i>
<b>96</b>	<b>btl</b>	<b>2</b>	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>
			<i>Analytical grade</i>
			<i>Use for enzyme buffers and chemical assays</i>
			<i>Bottle of 500g</i>
<b>97</b>	<b>btl</b>	<b>10</b>	<b>Agar Powder atleast 500g/btl</b>
			<i>for plant tissue culture</i>
<b>98</b>	<b>btl</b>	<b>2</b>	<b>Agarose powder 100g</b>
			<i>100g per bottle</i>
			<i>molecular biology grade</i>
<b>99</b>	<b>pack</b>	<b>5</b>	<b>Casein</b>
			<i>Food Grade Cassein</i>
			<i>1kg/pack</i>
<b>100</b>	<b>kit</b>	<b>2</b>	<b>DNA Extraction Kit</b>
			<i>For in Vitro research use</i>
			<i>Manual, Solution-Based DNA Extraction Method</i>
			<i>DNA from blood, animal and plant cells, bacteria or yeast</i>
			<i>60-minute, scalable protocol</i>
			<i>Kit size based on number of isolations from whole blood, other sample types may vary</i>
			<i>Content and Storage: 15°C to 30°C</i>
			<i>For Use With (Application): Isolate genomic DNA from whole blood, cultured cells, yeast, mouse tissue or numerous other cell sources</i>
			<i>100 isolations x 300ul</i>
<b>101</b>	<b>tubes</b>	<b>12</b>	<b>dNTP 10mM</b>
			<i>Molecular Biology Grade</i>
			<i>Premixed dNTP solution</i>
			<i>10mM each dATP, dCTP, dGTP, dTTP</i>
			<i>1mL per tube</i>
<b>102</b>	<b>kit</b>	<b>1</b>	<b>DNTPs set, 4x 250 ul, 100mM</b>
<b>103</b>	<b>btl</b>	<b>2</b>	<b>EDTA, 500g, A.R, monobasic</b>
<b>104</b>	<b>btl</b>	<b>5</b>	<b>Ethanol Mol Grade</b>
			<i>Molecular grade for analysis</i>
			<i>2.5 liters/btl</i>
<b>105</b>	<b>tubes</b>	<b>2</b>	<b>Gel Red Stain</b>
			<i>Format : 10,000X in water, 1X in water</i>
			<i>Excitation/Emission : 551/625 nm (with dsDNA)</i>
			<i>DNA/RNA dye : DNA dye</i>
			<i>Storage Conditions : Store at room temperature, Protect from light</i>

			<i>Assay type/options : DNA/RNA gel staining</i>
			<i>Superior dsDNA staining in polyacrylamide gels</i>
			<i>Formulated for efficient penetration of polyacrylamide gel</i>
			<i>Safer than EtBr: non-mutagenic and non-hazardous for disposal</i>
			<i>Simple pre- and post-electrophoresis gel staining, no destaining</i>
			<i>Use with standard EtBr imaging equipment or optical settings</i>
			<i>Compatible with downstream gel purification, restriction digest, sequencing</i>
			<i>pack size: 0.5 mL</i>
<b>106</b>	<b>btl</b>	<b>2</b>	<b>Hydrochloric Acid</b>
			<i>1 Litre/bottle</i>
			<i>analytical grade</i>
<b>107</b>	<b>pack</b>	<b>5</b>	<b>microcentrifuge tubes 1.5mL (1000s)</b>
			<i>1.5mL</i>
			<i>1000 per pack</i>
			<i>Sterile</i>
			<i>DNase/RNase free</i>
<b>108</b>	<b>pack</b>	<b>3</b>	<b>PCR 0.2mL tubes multicolored (1000s)</b>
			<i>Autoclavable</i>
			<i>sample volume, 0.2 ml</i>
			<i>multicolored</i>
<b>109</b>	<b>pack</b>	<b>5</b>	<b>Pipette Tips Blue</b>
			<i>Sterile</i>
			<i>Autoclavable</i>
			<i>pipette volume, 1000 µL</i>
			<i>DNase/RNase free</i>
			<i>1000 pcs/ pack</i>
<b>110</b>	<b>pack</b>	<b>5</b>	<b>Pipette Tips Yellow</b>
			<i>Autoclavable</i>
			<i>pipette volume of 20 - 200 µl</i>
			<i>1000 pcs / Pack</i>
			<i>Sterile</i>
<b>111</b>	<b>pc</b>	<b>2</b>	<b>Pipettor (set of 2ul, 20ul, 200ul,1000ul)</b>
			<i>Lightweight, ergonomic, low force design</i>
			<i>Easy to calibrate and maintain with tool supplied</i>
			<i>Design helps avoid repetitive strain injuries</i>
			<i>The low part is available for autoclaving</i>
			<i>Manufactured from innovative materials</i>
			<i>Volume adjustment: only a few turns to reach your desired volume</i>
			<i>Ejector: very low operating force, positioned for perfect ergonomics</i>
			<i>Quick connection clip: remove lower part easily</i>
<b>112</b>	<b>tubes</b>	<b>2</b>	<b>Polymerase 500 Units</b>

			<i>Detection Method - Primer-probe</i>
			<i>PCR Method - Standard PCR</i>
			<i>Polymerase - Taq DNA Polymerase</i>
			<i>Product Type - DNA Polymerase PCR Buffer</i>
			<i>Shipping Condition - Dry Ice</i>
			<i>Concentration - 10X</i>
			<i>Fidelity (vs. Taq) - 10 X</i>
			<i>Reaction Format - Kit</i>
			<i>Volume - 1 mL</i>
113	btl	2	<b>Potato Dextrose Agar (PDA), 500 grams</b>
114	tubes	5	<b>Reaction buffer</b>
			<i>reaction buffers for PCR</i>
			<i>5ml</i>
115	btl	2	<b>Sodium Acetate (NaOAc)</b>
			<i>500g/bottle</i>
			<i>Purity % - 99%</i>
			<i>Grade Standard - Lab Grade</i>
116	btl	2	<b>Sodium chloride (NaCl)</b>
			<i>Analytical grade</i>
			<i>500g/bottle</i>
117	btl	2	<b>Sodium Dodecyl Sulfate (SDS)</b>
			<i>Molecular Biology Grade</i>
			<i>500g/bottle</i>
118	btl	2	<b>Triton 500 ml</b>
			<i>500 ml (16 oz) Plastic Bottle</i>
			<i>High Purity 99%: NOT Diluted</i>
119	pack	5	<b>White Pipette Tips</b>
			<i>Sterile</i>
			<i>Autoclavable</i>
			<i>0.5 – 10uL (pipette volume)</i>
			<i>1000 pcs/pack</i>
120	btl	4	<b>Yeast Extract</b>
			<i>500g/bottle</i>
			<i>in powder form</i>
			<i>Appearance : Light yellow to brownish yellow homogenous free flowing powder having characteristic odour but not putrescent.</i>
			<i>Solubility : Freely soluble in distilled/ purified water, insoluble in alcohol.</i>
			<i>Clarity : 2% w/v aqueous solution remains clear and neutral without any haziness after autoclaving at 15 lbs pressure (121C) for 15 minutes.</i>
			<i>Reaction : Reaction of 2% w/v aqueous solution at 25C.</i>
			<i>pH : 6.50- 7.50</i>
121	unit	1	<b>Stovetop autoclave</b>
			<i>Stovetop</i>
			<i>Sterilizer</i>

			Capacity - 17.6 Qt Inner Container Capacity (Liquid)
			Overall Height - 16 3/4 inches
			Bottom Height - 12 1/4 inches
			Inside Diameter - 12 5/8 inches
			Inner Container
			Inside Depth - 10 1/4 inches
			Inside Diameter - 11 1/8 inches
			Circumference - 35 7/8 inches
			Capacity - 17 1/2 Quarts
122	pc	1	<b>Rubber Aspirator suction, 30 ml</b>
123	pc	1	<b>Drager Aspirator Bulb</b>
124	pack	1	<b>Laboratory Weighing Boats, Plastic 100ml</b>
			at least 100 pcs/pack
125	btl	4	<b>Sulfuric Acid</b>
			☑Analytical Grade (98%)
			☑2.5 Liters
			☑specific gravity 1.84
126	pack	1	<b>Test Tube Brush</b>
			☑For test tubes
			☑Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.
			☑Length: at least 10 inches
			☑Brush size diam. × L: utmost 1 3/8 in. × 4 in.
			☑Pack of 4 brushes
			<b>GOODS-23-40 (Rebidding)</b>
127	pc	30	<b>100 ml Type 1, class A borosilicate glass Beaker</b>
128	pc	2	<b>1000mL Beaker Plastic</b>
			The polypropylene beaker has excellent transparency and the contents can be seen well.
			Can be autoclaved.
			Has excellent chemical resistance and durability
			Specification: With scale, with handle
			Material: Polypropylene (PP)
			Type: Beaker with handle
			Scale: Yes
			Heat Resistance Temperature (°C): 120
			Handle: Yes
129	btl	1	<b>2,4-Dichlorophenoxyacetic acid, 250grams/btl</b>
			2,4-Dichlorophenoxyacetic acid plant growth regulator 2,4-D used for
			Plant tissue culture
130	pc	3	<b>250 mm glass stirring rod</b>
131	pc	10	<b>50 ml Type 1, class A borosilicate glass Beaker</b>
132	pack	1	<b>Activated Charcoal suitable for plant cell and tissue culture (500g)/pack</b>
133	btl	1	<b>Agar for plant cell and tissue culture</b>
			500grms/btl
134	gal	1	<b>Alcohol, Ethyl, 95% (Tech)</b>

135	pack	2	<b>Ammonium Acetate, AR, 500g</b>
136	btl	1	<b>Ammonium Flouride</b>
			☐White crystalline
			☐ACS reagent, ≥98.0%
			☐500g/btl
137	btl	2	<b>Ammonium Sulfate, 500g/btl.</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
138	btl	2	<b>Ascorbic acid</b>
			☐Analytical reagent grade, crystalline powder, 25 g/bottle
139	pc	2	<b>Beaker</b>
			Beaker Plastic 5000mL
			The polypropylene beaker has excellent transparency and the contents can be seen well.
			Can be autoclaved.
			Has excellent chemical resistance and durability.
			Specification: With scale, with handle
			Material: Polypropylene (PP)
			Type: Beaker with handle
			Scale: Yes
			Heat Resistance Temperature (°C): 120
			Handle: Yes
			Good quality
140	btl	1	<b>Boric acid, AR</b>
			Certified molecular biology grade
			Suitable for electrophoresis, ≥99.5%
			Size: 500g per bottle
141	btl	2	<b>Buffer solution, pH 7, 1000 ml.</b>
142	btl	1	<b>Cadmium Nitrate Standard for the AAS, 500cc/btl</b>
143	btl	2	<b>Calcium Chloride Dihydrate</b>
			☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards
			☐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
			☐500g
144	btl	3	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>
145	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/btl

			<i>Packaging Type: glass bottle</i>
			<i>Grade: AR quality</i>
146	btl	1	<b>Cobalt chloride (CoCl<sub>2</sub>, 6H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			■Molecular weight: 249.6
			■500g/btl
147	btl	1	<b>Copper sulfate, CuSO<sub>4</sub></b>
			■Anhydrous, Analytical reagent grade, 500g/bottle
148	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>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>
149	btl	1	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>
150	set	2	<b>ELECTRONIC THEODOLITE</b>
			<b>SPECIFICATIONS</b>
			<b>Angle Measurement</b>
			- Measuring Method: Absolute Encoding
			- Diameter of Encoder Disk: 79mm
			- Minimum Reading: 1"
			- Accuracy: 2"
			- Detection Method: Horizontal -Dual, Vertical-Dual
			<b>Telescope</b>
			- Image: Erect
			- Magnification: 26.5x
			- Effective Aperture: 40mm
			- Resolving Power: 3"
			- Field of View: 1°30'
			- Minimum Focus Range: 1.5m
			Multiple Constant: 100
			- Additive Constant: 0
			- Tube Length: 155mm
			<b>Laser</b>
			- Wavelength: 635±20nm
			-Laser Class: Class II
			-Diameter: <4cm/1000m
			- Tolerance: <10"
			<b>Compensator</b>
			- Type: Single Axis
			- Working Range: ±3'
			- Accuracy: ±3"
			<b>Bubble</b>
			- Plate Bubble: 30"/2mm



			- Circular Bubble: 8/2mm
			<b>Display Unit</b>
			- Type: 2.7 Inch LCD screen
			<b>Power Supply</b>
			- Battery: 7.4V, Lithium battery, 8 hrs
			<b>Working Environment</b>
			- Weight: 4.7kg
			<b>Dimension</b>
			- Size: 165*160*340mm
			- Range: -20 °C~ +50 °C
151	btl	1	<b>Ethylenediaminetetraacetic acid disodium salt (Na<sub>2</sub>-EDTA) suitable for plant cell and tissue culture</b>
			500 grams/btl
152	btl	1	<b>Ferrous Sulphate</b>
			☐Analytical Grade
			☐500grams/btl
153	box	4	<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
154	btl	1	<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
155	pc	2	<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
156	pc	2	<b>Holder scalpel # 4</b>
			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
157	btl	1	<b>Hydrochloric acid, HCl</b>
			Analytical reagent grade, concentrated, 2.5L/bottle
158	btl	1	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>
159	btl	1	<b>indolebutyric acid (IBA)</b>
			Suitable for plant tissue culture 5 gms/btl

160	btl	1	<b>Kinetin, 5grms/btl</b>
			<i>Kinetin is often used in plant tissue culture for inducing formation of callus (in conjunction with auxin) and to regenerate shoot tissues from callus (with lower auxin concentration).</i>
161	btl	3	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>Wt. 169.01</i>
			<i>Colourless efflorescent crystals</i>
			<i>500 grams</i>
162	set	1	<b>Magnetic Bar Set</b>
			<i>7pcs of Mixed size PTFE Magnetic Stirrer Mixer</i>
			<i>Stir Bars White Color Without Pivot Ring</i>
			<i>Shape: Cylinder without Pivot Ring</i>
			<i>Feature: corrosion resistance</i>
			<i>Quantity: 7 pcs</i>
			<i>Size: 7pcs of Mixed</i>
			<i>size :C5*15mm C6*20mm C6*25mm C7*25mm</i>
			<i>C9*30mm C8*35mm C7*40mm</i>
163	btl	1	<b>Manganese sulfate (MnSO<sub>4</sub>, H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>500 grams</i>
164	btl	1	<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, AR;</i>
165	unit	1	<b>Multiparameter ph/ORP/EC/TDS/Salinity/DO/Pressure/Temperature Waterproof Meter</b>
			<i>A waterproof portable logging multiparameter meter that monitors up to 12 different water quality parameters.</i>
			<i>Multi-sensors probe allows for the measurement of key parameters including pH, ORP, conductivity, dissolved oxygen, and temperature.</i>
			<i>The probe transmits readings digitally to the meter, where data points can be displayed and logged.</i>
			<i>The complete system is simple setup.</i>
			<i>Backlit graphic LCD Display- features a backlit graphic LCD with on-screen help and the capability to display up to twelve parameters simultaneously.</i>
			<i>The graphic display allows for the use of virtual keys to provide for an intuitive user interface</i>
			<i>Waterproof protection-the meter is enclosed in an IP67rated waterproof casing and can withstand immersion in water at a depth of 1m for up to 30 minutes. The probe features an IP68 rating for continuous immersion in water</i>
			<i>Quick Connect digital Probe-The probe features a quick connect DIN connector that makes a waterproof connection with the meter.</i>
			<i>Color Coded, Field Replaceable sensors-sensor replacement is quick and easy with field replaceable, screw-type connectors that are color-coded for easy sensor port identification</i>
			<i>Auto-sensor recognition- The probe and meter automatically recognize the sensors that are connected. Any ports not used on the probe will not have the parameter displayed or be configurable</i>
			<i>Automatic temperature compensation-Integrated temperature sensor allows for automatic temperature compensation of pH, conductivity and dissolved oxygen measurements</i>

			Automatic Barometric pressure compensation-The meter features a built-in barometer with user selectable units for dissolved oxygen pressure compensation
			Standard or quick calibration-Quick calibration provides a speedy, single-point calibration for pH, conductivity, and dissolved oxygen. Standard pH calibration options are available for calibrating up to three points from a selection of five standard buffers and one custom buffer. Conductivity calibration is a single point from six standard selections or one custom standard. Dissolved oxygen calibration is up to two standard points or a single custom point
			GLP Data- includes a GLP feature that allows users to view calibration data and expiration information at the touch of a key. Calibration data includes date, time, buffers/standards used for calibration, and slope characteristics
			Data Logging-Allows users to store up to 45,000 continuous log-on demand samples with logging intervals from one second to three hours
			Intuitive Keypad-The fitted rubber keypad has dedicated keys for power, backlight, up/down arrows, help and alphanumeric characters. The meter also features two virtual soft keys that navigate the user through the configuration of each parameter, meter setup, and logging of data. The interface is intuitive for any user's level of experience.
			Dedicated help key- Contextual help is always available through a dedicated "HELP" key. Clear tutorial messages and directions are available on-screen to quickly guide users through setup and calibration. The help information displayed is relative to the setting/option being viewed.
			PC Connectivity- Logged data can be transferred to the Window's compatible PC with the included micro USB cable and software
			Long Battery Life- The display of the meter has a battery icon indicator to show the remaining power. The meter uses four 1.5V AA batteries that provide up to 360 hours of battery life
			Rugged Thermoformed Carrying case- The meter, probe and all accessories are supplied in a rugged carrying case designed to provide years of use. The inside compartment of the carrying case is thermoformed to securely hold and protect all of the components.
166	btl	1	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>
167	btl	1	<b>Naphthaleneacetic Acid, 5g</b>
			☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards
			☐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
168	pc	75	<b>Test Tube with Screw Cap</b>
			Borosilicate 3.3 glass test tubes with screw cap
			Capacity 10ml
			Length x OD: 150 x 25mm
			Round bottom
			Includes bakelite screw cap with rubber liner
			Excellent resistance to heat and chemicals
			Tube and cap are autoclavable
			13x100mm 10mL capacity

169	roll	1	<b>Parafilm M PM-996 All Purpose Laboratory Film</b> <b>Parafilm sealing film 4 x 125ft</b>
170	pc	50	<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>
171	btl	1	<b>pH 4 Buffer</b>
			<i>Laboratory grade Size: 1L per bottle</i>
172	pc	2	<b>Pipettor Tip Box</b>
			<i>Pipette Pipettor Tip Box, 200UL, 96holes;</i>
173	pc	2	<b>Plastic Graduated Cylinder</b>
			<i>Capacity : 50ml</i>
			<i>Material : Plastic</i>
			<i>Color : Translucent</i>
			<i>Shape : Cylindrical</i>
			<i>Tolerance : 1ml</i>
			<i>Graduated in milliliters : 1ml</i>
174	lot	1	<b>PLN 100x Objective Lens and Fluorescent Microspheres</b>
			<b>1. PLN 100x Objective Lens</b>
			<i>compatible with <b>Euromex OX.2453-PLPHF</b></i>
			<i>Compatible Cover Glass Thickness (mm): N/A</i>
			<i>Field of View (mm): 0.22</i>
			<i>Focal Length FL (mm): 1.8</i>
			<i>Length excluding Threads (mm): 44.7</i>
			<i>Magnification: 100X</i>
			<i>Maximum Diameter (mm): 24</i>
			<i>Numerical Aperture NA: 1.25</i>
			<i>Mounting Threads: RMS / 20.32mm x 36 TPI</i>
			<i>Compatible Tube Lens Focal Length (mm):</i>
			<i>Focal Length: 180mm</i>
			<i>Type: Microscope Objective</i>
			<i>Weight (g): 114</i>
			<i>Working Distance (mm): 0.15</i>
			<i>Resolving Power (<math>\mu\text{m}</math>): 0.27</i>
			<i>Depth of Field (<math>\mu\text{m}</math>): 0.27</i>
			<i>Field Number (mm): 22</i>
			<i>Parfocal Length (mm): 45</i>
			<i>Style: Infinity Corrected</i>
			<i>Immersion Liquid: Oil</i>
			<i>Depth of Focus (<math>\mu\text{m}</math>): 1760</i>
			<b>2. Fluorescent microspheres (Catalog Code.: FS03F)- 1 pc</b>
			<i>Diameter= 0.50 <math>\mu\text{m}</math></i>
			<i>Volume= 5 ml</i>

			~1% solids (w/v) aqueous suspensions
			Blue Excitation= 465- 495 nm
			Fluorescence color- Dragon Green (480 nm, 520 nm)
			<b>3. Fluorescent Polystyrene Beads (Catalog No.: 2104)- 2 pcs.= PhP 46, 394.16</b>
			Diameter= 1.0 um
			Volume= 1 ml
			Blue Excitation= 465- 495 nm
			Particle density- 1.06 g/cm <sup>3</sup>
			Fluorescence color- Green (450 nm, 510 nm)
175	btl	2	<b>Potassium iodide, KI</b>
			■Analytical reagent grade, powder, 500g/bottle
176	btl	3	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>
			Analytical grade
			Use for enzyme buffers and chemical assays
			Bottle of 500g
177	btl	1	<b>Pyridoxine.HCl suitable for plant cell and tissue culture(25g)</b>
178	pc	2	<b>Retriever</b>
			Magnetic stir bar retriever
			used reach stir bars in deep/ big container PTFE coated & steel core, magnetic retrieve recover bar Science lab experiment equipment, recover stirring bars from containers easily Coated in white PTFE corrosion resistance, acid & alkali resistance, high temperature resistance Multipurpose - Stir a liquid or solution in biological, chemical, and research laboratory applications
			Size : Length 250 mm
			Material : Steel & PTFE (Polytetrafluoroethylene )
			Color: White
179	btl	2	<b>Sodium Hexametaphosphate, 500g</b>
180	btl	3	<b>Sodium Hydroxide, AR 500G</b>
			■500 g/bottle, AR, Pellets;
181	unit	20	<b>Stainless Steel Milk Canister, 20L capacity</b>
			Stainless steel dairy equipment
			Have side handles
			Umbrella shaped lid
			20 litre: 20cm neck, 45cm high
182	pc	1	<b>Steel Storage Cabinet for Glasswares</b>
			■Steel Storage Cabinet for Laboratory Glasswares
			■Dimension: W- 90cm x D- 50 cm x H- 185 cm
			■Materials: Metal/Glass
			■Color: Beige/White
			■4 Adjustable Shelves
			■With Keylock
183	pack	1	<b>Surgical Blade # 11 (100's)</b>
			• Carbon steel
			• Stainless steel
			• Individually packed on sterile pouches
			• Disposable ✓Sold per box (100's)

			<i>Good Quality</i>
<b>184</b>	<b>pack</b>	<b>1</b>	<b>Surgical Blade # 22 (100's)</b>
			• Carbon steel
			• Stainless steel
			• Individually packed on sterile pouches
			• Disposable ✓Sold per box (100's)
			<i>Good quality</i>
<b>185</b>	<b>pc</b>	<b>5</b>	<b>Test Tube Rack, 12 x 4 for 13 x 100mm test tubes</b>
			■Stainless steel;
<b>186</b>	<b>pc</b>	<b>3</b>	<b>Test Tube Rack, 20 mm x 24 tubes</b>
			■Stainless Steel, 20 mm diameter holes, capacity 24 test tubes
<b>187</b>	<b>btl</b>	<b>1</b>	<b>Thiamine.HCl suitable for plant cell and tissue culture (25gms)</b>
<b>188</b>	<b>pc</b>	<b>2</b>	<b>Thumb Tissue Forcep for Dissection</b>
			<i>Features:</i>
			<i>Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2 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>189</b>	<b>liter</b>	<b>1</b>	<b>Triethanolamine, AR</b>
<b>190</b>	<b>pc</b>	<b>5</b>	<b>Volumetric Flask 50ml</b>
			■50mL, (±1mL)
			■Borosilicate glass with glass standard taper stopper,
			■Class A
			■Calibrated
<b>191</b>	<b>pc</b>	<b>1</b>	<b>Vortex Mixer</b>
			<i>S-0200- VX-200 Vortex Mixer;</i>
<b>192</b>	<b>pc</b>	<b>9</b>	<b>Wash Bottle, 250mL cap.</b>
			■Material: Plastic (good quality);
<b>193</b>	<b>unit</b>	<b>10</b>	<b>Weighing Scale Flat, 50 kg</b>
<b>194</b>	<b>pc</b>	<b>2</b>	<b>Graduated Cylinder, Plastic, 1000mL</b>
			<i>Plastic, 1000ml (1L) capacity for Particle Size Analysis</i>
<b>195</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>
<b>196</b>	<b>L</b>	<b>2</b>	<b>Infrared Loop sterilizer</b>
			<i>Infrared Loop Sterilizer DS900,220v laboratory electric heating high</i>

			<i>temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms</i>
<b>197</b>	<b>pc</b>	<b>1</b>	<b>Portable pH Meter with Temperature probe</b>
<b>198</b>	<b>set</b>	<b>1</b>	<b>Microscope Cleaning Kit</b>
			5-piece set:
			-blower brush
			-lens cleaning fluid
			-lint-free lens paper
			-soft lens cloth
			- lint-free cleaning swabs
<b>199</b>	<b>unit</b>	<b>1</b>	<b>Soil Tension Meter</b>
			Unit: Kgf , gf , N , Lbf
			Measuring Principle: Strain gauge
			Measuring Frequency: 16 msec (62.5 samples / sec)
			Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm
			Overload Capacity: 150 % of Full Scale
			Temperature Coefficient: Zero : less than $\pm 0.3\%$ FS/ °C, Span : less than $\pm 0.01\%$ FS/ °C
			Display: Blue Back light LCD
			Display Update Rate: 0.5 , 1.0 , 2.0 or 4.0 seconds , selectable
			Memory System: Current Value , Max. Value , Peak Value , Min Value
			Overrange Indicator: Buzzer Alarm
			Power Off: 10 Minutes Auto , Manual
			Data Output: USB , B (Optional)
			Roller Material: Stainless Steel ( Standard ) , Plastic ( Optional )
			Maximum Speed: 2000 m/min
			Power Supply: 4 x 1.5 AAA( UM-4 ) Battery
			Operation Temperature: 0 ~ 40 °C
			Operation Humidity: < 80 %
			Weight: 400 g
			Size: Main Unit : 149 x 70 x 30 mm, Sensor : 102 x 81 x 34 mm
			Essential details
			Type: tension meter
			Measuring Principle: Strain gauge
			Measuring Range: 2K-50K
			Measuring Frequency: 16 msec (62.5 samples / sec)
			Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm
			Model: LTTS-200, LTTS-500, LTTS-1K, LTTS-2K, LTTS-5K, LTTS-10K, LTTS-20K, LTTS-50K
			Tension Range: 0~0.2kgf, 0~0.5kgf, 0~1.0kgf, 0~2.0kgf, 0~5.0kgf, 0~10.0kgf, 0~20.0kgf, 0~50.0kgf
			0~200gf, 0~500gf, 0~1000gf, 0~2000gf, 0~5000gf
			0~1.96N, 0~4.9N, 0~9.8N, 0~19.6N, 0~49N, 0~98N, 0~196N, 0~490N
			0~0.44Lbf, 0~1.1Lbf, 0~2.2Lbf, 0~4.4Lbf, 0~11Lbf, 0~22Lbf, 0~44Lbf, 0~110Lbf
			Resolution: 0.001kgf, 0.001kgf, 0.001kgf, 0.001kgf, 0.01kgf, 0.01kgf, 0.01kgf, 0.01kgf
			1gf, 1gf, 1gf, 1gf, 1gf
			0.001N, 0.001N, 0.001N, 0.01N, 0.01N, 0.01N, 0.01N, 0.01N

			0.001Lbf, 0.001Lbf, 0.001Lbf, 0.001Lbf, 0.01Lbf, 0.1Lbf, 0.1Lbf, 0.1Lbf
			Accuracy: ±1.0% or better, ±1.5% or better
200	btl	1	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>
201	bag	1	<b>Paraffin Wax</b>
			☐Form: pellets, white
			☐Ign residue: ≤0.05%
			☐Melting point: 43-95 degrees celsius
			☐Solidification point: 54-56 degree celcius1kg per bag
202	pc	2	<b>Fluorescent Polystyrene Beads (Catalog No.: 2104)</b>
			Specifications:
			Diameter= 1.0 um
			Volume= 1 ml
			Blue Excitation= 465- 495 nm
			Particle density- 1.06 g/cm <sup>3</sup>
			Fluorescence color- Green (450 nm, 510 nm)
203	pc	4	<b>DIVE BOOTIES</b>
			HI CUT WITH LOCK AFTER ZIPPER
			CRESS HIT CUT SIZES 7 (2 PAIRS)
			SIZE 8 (2 PAIRS)
204	pc	1	<b>Cadmium(Cd), Uncoded hollow cathode</b>
			Cadmium(Cd), Uncoded hollow cathode lamp for Agilent AAS 200.
205	btl	1	<b>Compost certified reference material</b>
			certified /Matrix reference Material for Compost
			AgroMAT CP-1 Standard Compost (100g)
			Cat No. 140-025-111
			Supplier: SCP Science Canada
206	pc	1	<b>Filter Cartridge for water purification system</b>
			Filter cartridge for Thermo-Fischer Scientific water purification system
			Cat No. 09.2005
297	pc	1	<b>Iron(Fe) hollow cathode lamp</b>
			Iron (Fe) hollow cathode, Uncoded for Agilent AAS 200.
208	pc	1	<b>Lead(Pb), hollow cathode lamp</b>
			Lead (Pb), Uncoded Lamp for Agilent AAS 220.
209	pc	1	<b>Magnesium (Mg), Hollow cathode lamp</b>
			Magnesium (Mg), Uncoded hollow cathode lamp for Agilent AAS 200.
210	pc	1	<b>Manganese (Mn, Uncoded hollow cathode lamp</b>
			Manganese(Mn), Uncoded Hollow cathode lamp for Agilent AAS 200.
211	pc	1	<b>Nickel(Ni), Hollow cathode lamp</b>
			Nickel(Ni), Uncoded hollow cathode lamp
212	btl	1	<b>Plant tissue certified reference material</b>
			certified reference material for plant tissue
			Hay Powder (30 g), BCR- 129
			Supplier : European Commission
213	pc	1	<b>Sodium (Na), Hollow cathode lamp</b>
			Sodium (Na), Uncoded hollow cathode lamp for Agilent AAS 200.
214	btl	1	<b>Standard certified reference material for Sandy Soil</b>



			<i>Certified Matrix Reference Material for Sandy Soil</i>
			<i>AgroMAT Ag-1 Standard Sandy Soil 175 g</i>
			<i>Cat. No. 140-025-101</i>
			<i>Supplier: SCP Science Canada</i>
<b>215</b>	<b>pc</b>	<b>1</b>	<b>variable mechanical pipettor, 1-5 mL</b>
			<i>variable mechanical pipettor, , 0.5 -5 ml, good quality, standard tips</i>
<b>216</b>	<b>btl</b>	<b>1</b>	<b>Plain Polystyrene Microspheres Cat. No.: 112</b>
			<i>Plain Polystyrene Microspheres (1µm)</i>
			<i>Product description and Characteristics:</i>
			<i>Catalog No: 112</i>
			<i>Lot Number: 107132B</i>
			<i>Polymer: Polystyrene</i>
			<i>Color: None</i>
			<i>Target Mean Diameter : 1 µm</i>
			<i>Actual Mean Diameter: 0.953 µm</i>
			<i>Standard diameter: 0.195 µm</i>
			<i>Number of Spheres (per mL): 2.10E+10</i>
			<i>Anti-microbial agent: 2mM NaN<sub>3</sub></i>
			<i>Media: 0.1% Tween 20 in DI Water</i>
			<i>Solid content: 1%</i>
			<i>Storage: 2-8 °C</i>
<b>217</b>	<b>set</b>	<b>1</b>	<b>Veterinary Endoscope</b>
			<i>Insertion tube: Charge-coupled device (CCD) chip (video-endoscope); Biopsy/suction channel; Irrigation/insufflation channel; Deflection control cables</i>
			<i>Handpiece: Deflection control knobs; Accessory channel entrance; Irrigation/insufflation; Suction valves</i>
<b>218</b>	<b>pack</b>	<b>2</b>	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>
<b>219</b>	<b>pack</b>	<b>3</b>	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>
<b>220</b>	<b>pc</b>	<b>1</b>	<b>Apron</b>
			☐ <i>Heavy Duty Industrial Chemical Laboratory Apron</i>
			☐ <i>Material: Neoprene</i>
			☐ <i>Color : Black</i>
			☐ <i>Chemical Resistant (Suitable protection against wide range of chemicals)</i>
			☐ <i>Light weight</i>
			☐ <i>Sizes : at least 35" X 43"</i>
<b>221</b>	<b>pc</b>	<b>1</b>	<b>Autoclave Tape</b>
			☐ <i>turns black at 250°F,</i>
			☐ <i>width - ¾ inch</i>
			☐ <i>length- minimum of 60 yards</i>
<b>222</b>	<b>pc</b>	<b>2</b>	<b>Brush Suitable for 100mL Graduated</b>
			☐ <i>Bristle Material: Black Nylon</i>
			☐ <i>Suitable for 100mL Graduated Cylinders</i>
<b>223</b>	<b>pc</b>	<b>1</b>	<b>Burette Brush</b>
			☐ <i>big size for 50 mL burette</i>
<b>224</b>	<b>btl</b>	<b>2</b>	<b>Canada Balsam, for microscopy, 100ml</b>

225	set	1	<b>Digital Weighing Scale, 50kg</b>
			■1g accuracy
			■maximum of 50 kg
			■materials: metal
226	btl	1	<b>Disodium Hydrogen Phosphate Heptahydrate, AR, 500g/btl</b>
			Analytical Reagent, 500g/btl
227	roll	2	<b>Garbage bag green (large) 10pcs/roll (pk of 10)</b>
228	roll	2	<b>Garbage bag green(medium) 25 pcs/roll (pk of 10)</b>
229	btl	1	<b>Giemsa stain set</b>
			Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml
230	pc	1	<b>Lab Gown Long Sleeves L</b>
			■Lab Coat High-quality White
			■Size- Large; long sleeves
231	pc	1	<b>Lab Gown Long Sleeves M</b>
			■Lab Coat High-quality White
			■Long Sleeves
			■Medium size
232	unit	1	<b>Laboratory Safety Goggles</b>
			Chemical and heat resistant
			Anti-fog clear polycarbonate lens
			Soft, flexible PVC body molds to facial contours for a comfortable fit
			Resist a broad range of chemicals
			Circular vents allow air to flow freely through the goggle body
			Meet ANSI™ Z87.1-2010 or equivalent
233	btl	1	<b>Lactose Broth, 500g</b>
234	pack	2	<b>Lens Tissues, 25 Sheets per Booklet, 5 Booklets</b>
235	btl	6	<b>Methanol 2.5L</b>
			Analytical Reagent Grade 2.5L per bottle
236	pack	6	<b>Paraffin, Tissue Embedding Medium, Kg</b>
			Tissue Embedding Wax, Medium
			Pure Paraffin wax with Added Polymer for precise embedding and sectioning
237	pc	6	<b>Plastic Sharps Waste Container</b>
			Made of high quality PE plastic, sturdy, thicken, lightweight, waterproof, durable.
			This product is a waste sharps storage bin suitable for medical or laboratory use.
			2L: app.14.5cmx13.5cm/5.71inx5.31in
			4L: app.18.5cmx17.5cm/7.28inx6.89in
238	btl	1	<b>Potassium phosphate dibasic, K<sub>2</sub>HPO<sub>4</sub></b>
			Analytical grade
			Use for enzyme buffers and chemical assays
			Bottle of 500g
239	btl	1	<b>Sodium phosphate monobasic, NaH<sub>2</sub>PO<sub>4</sub></b>
			500g
240	box	2	<b>Rectangular coverslip, 100/box</b>
			Clear glass

			<i>Rectangular</i>
			<i>W x L: 11mm X22</i>
			<i>Thickness: 0.13-0.16mm</i>
<b>241</b>	<b>pack</b>	<b>2</b>	<b>Resealable Plastic Bag, Large</b>
			☐resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs/pack
<b>242</b>	<b>btl</b>	<b>1</b>	<b>Sodium Tellurite at least 10 grams per bottle</b>
			<i>Component of the Baird Parker Agar used in identifying Staph. aureus</i>
<b>243</b>	<b>pcs</b>	<b>10</b>	<b>Storage Tray</b>
			☐Tray basket organizer
			☐Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)
			☐Plastic, any color
<b>244</b>	<b>bag</b>	<b>1</b>	<b>Transparent ziplock bags (20 x 30cm), 100pc/bag</b>
<b>245</b>	<b>btl</b>	<b>1</b>	<b>Violet Red Bile Agar, 500g</b>
<b>246</b>	<b>btl</b>	<b>1</b>	<b>Wright Stain</b>
			<i>Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml</i>
<b>247</b>	<b>pc</b>	<b>1</b>	<b>Analytical Balance (500/0.001 g)</b>
<b>248</b>	<b>pc</b>	<b>4</b>	<b>Brush Suitable for cleaning 500mL Erlenmeyer Flask</b>
			☐Bristle Color: White Bristle
			☐Brush+Handle Length: 14"
			☐Brush Diameter: 1 1/2"
			☐Brush Length: 4"
			☐Suitable for cleaning 500mL Erlenmeyer Flask
<b>249</b>	<b>set</b>	<b>1</b>	<b>Haemocytometer Counting Chamber</b>
			<i>Material: colorless glass</i>
			<i>Has two wells</i>
			<i>Used for cell counting</i>
			<i>Includes pipettes for RBC and WBC</i>
<b>250</b>	<b>set</b>	<b>1</b>	<b>McMaster Counting Slides</b>
			<i>Count nematode egg</i>
			<i>Egg per gram sensitivity: 25 EPG</i>
			<i>Grid size: 1 cm x 1 cm</i>
			<i>Volume under grid: 0.15 ml</i>
			<i>Material: Acrylic</i>
<b>251</b>	<b>unit</b>	<b>3</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>252</b>	<b>pc</b>	<b>6</b>	<b>Stirring Rod</b>
			☐Standard Size
			☐Good Quality
			☐with rubber policeman
<b>253</b>	<b>pc</b>	<b>2</b>	<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
<b>254</b>	<b>set</b>	<b>1</b>	<b>WHITLOCK UNIVERSAL McMaster slide</b>
			<i>For nematode egg counting</i>
			<i>Capacity: 4 chamber X 0.5ml</i>
<b>255</b>	<b>box</b>	<b>1</b>	<b>Aluminum weighing dish</b>
			<i>100/pk, 20mL capacity</i>
<b>256</b>	<b>pc</b>	<b>1</b>	<b>ASTM No. 100 Standard test sieve</b>
			<i>8in (203mm) diameter ASTM E11 Test Sieve has stainless steel woven-wire cloth with No. 100 (150µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #100 BU.</i>
			<b>Features:</b>
			<i>Individually serial numbered</i>
			<i>Compliant with ASTM E11 requirements for Compliance Sieves</i>
			<i>Included Items:</i>
			<i>8" Sieve, All Stainless, Full Height, No. 100</i>
			<i>Certificate of Conformance to ASTM E11 requirements</i>
			<i>Accessories:</i>
			<i>Sieve Pans nest underneath sieves to collect fines</i>
			<i>Sieve Covers prevent sample loss during agitation</i>
			<i>Verification Services provide NIST traceable documentation of opening sizes</i>
			<i>ASTM E11 Opening Size: No.100 (150µm)</i>
			<i>Sieve Frame Diameter: 8in (203mm)</i>
			<i>Frame Height: Full Height</i>
			<i>Stacked Frame Height: 2-1/8in</i>
			<i>Overall Frame Height: 2-5/8in</i>
			<i>Material: All Stainless Steel</i>
			<i>Backing Cloth Included: No</i>
			<i>Estimated Shipping Weight: 2.0lb (0.91kg)</i>
<b>257</b>	<b>pc</b>	<b>1</b>	<b>ASTM No. 230 standard test sieve</b>
			<i>8in (203mm) diameter ASTM E11 Test Sieve has stainless steel woven-wire cloth with No. 230 (63µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #230 BU.</i>
			<b>Features:</b>
			<i>Individually serial numbered</i>
			<i>Compliant with ASTM E11 requirements for Compliance Sieves</i>
			<b>Included Items:</b>

			8" Sieve, All Stainless, Full Height, No. 230
			Certificate of Conformance to ASTM E11 requirements
			<b>Accessories:</b>
			Sieve Pans nest underneath sieves to collect fines
			Sieve Covers prevent sample loss during agitation
			Verification Services provide NIST traceable documentation of opening sizes
			ASTM E11 Opening Size: No.230 (63µm)
			Sieve Frame Diameter: 8in (203mm)
			Frame Height: Full Height
			Stacked Frame Height: 2-1/8in
			Overall Frame Height: 2-5/8in
			Material: All Stainless Steel
			Backing Cloth Included: No
			Estimated Shipping Weight: 2.0lb (0.91kg)
258	pc	2	<b>Beaker Glass/borosilicate</b>
			600 mL glass beaker
			Short Form, wide mouth with pout
258	pc	6	<b>Beaker, Glass, 100mL</b>
			■100mL capacity, borosilicate glass
260	gal	1	<b>Ethanol, AR, at least 95%v/v, 4L</b>
261	ltr	2	<b>Graduated Cylinder</b>
			10-100 mL Translucent Plastic Graduated Cylinder
262	ltr	2	<b>Graduated Cylinder 10mL (Translucent Plastic)</b>
			1-10 mL graduated cylinder (Translucent Plastic)
263	btl	1	<b>Iodine crystals</b>
			Analytical Grade resublimed, 500g per bottle
264	unit	1	<b>Mini Electric bean grinder</b>
			Material : Stainless steel
			Power : 150W Voltage : 220V/50HZ
			Capacity : 50-400ML about 150G food
			Size : Diameter 10.5cm Height 17cm
265	pc	1	<b>Mortar and Pestle (small)</b>
266	btl	1	<b>Potassium iodide, KI</b>
			■Analytical reagent grade, powder, 500g/bottle
267	btl	1	<b>Potato Amylose (Type III)</b>
			Product Information:
			Material Number / SKU: A0512-5G
			Description:
			Amylose from potato, used as amylase substrate
			Foreign Trade Commodity Code: 39139090
			CAS Number: 9005-82-7
			Packaging Information: 5 g in poly bottle
268	unit	1	<b>High Duty Blender</b>
			-Power – 375-watt motor
			– Speed – 10-speed push button
			– Function – Controlled/pulse blending (buttons 1-3) or continuous blending (buttons 4-10)

			<i>– Durability – Exclusive All-Metal Drive™ system</i>
			<i>– Blade – High performance ice-crushing stainless steel blade</i>
			<i>– Capacity – 5-cup (1.25L) heat-resistant glass jar</i>
			<i>– Warranty – 1 Year Household Warranty</i>
			<i>– Dimensions – 26 x 18 x 32 cm</i>
<b>269</b>	<b>unit</b>	<b>1</b>	<b>Compact Bench Scale</b>
			Battery Life: Up to 1500 Hours
			Calibration: External Digital Calibration Software
			Construction: ABS Housing
			Display Type: Backlit LCD
			Includes: Integrated Level Bubble, Adjustable Feet, Selectable Auto-Off, Selectable Weighing Units, In-Use Cover, and Integrated Carrying Handles for Easy Transportation
			Model: V12P30
			Stabilization Time: ≤ 2 sec.
			Temperature (Metric) Operating: 0°C to 40°C
			Weighing Modes: Gram, Kilogram, Pound, Ounce, Pound/Ounce
			Length (English) Pan: 9.65 in.
			Width (English) Pan: 7.48 in.
			Depth (Metric): 260 mm
			Weight (Metric): 2.5 kg
			Battery Type: 4 D, Sold Separately
			Certifications/Compliance: NSF, USDA-AMS
			Capacity: 30 kg, 60 lb.
			Readability: 0.01 lb. (5 g)
			Material: Stainless Steel (Platform)
			Resolution: 1:6,000 (Pounds)
			Temperature (English) Operating: 32°F to 104°F
			Type: Compact Bench Scale
			Dimensions (L x W x H): 10.6 x 10.2 x 4.8 in. (270 x 260 x 122 mm)
			Length (Metric) Pan: 245 mm
			Width (Metric) Pan: 190 mm
			Weight (English): 5.5 lb.
			Electrical Requirements
			Power Requirements: AC Power Adapter, Included
<b>270</b>	<b>pcs</b>	<b>20</b>	<b>DIAL THERMOMETER</b>
			<i>Dimensions HxWxD: 1" x 5" x 1" (25 x 127 x 25 mm)</i>
			<i>Weight: 0.05 lbs (0.02 kg)</i>
			<i>Temperature Range: 0°F-220°F</i>
			<i>Units: Fahrenheit</i>
			<i>Adapter/Batteries: Analog, No Batteries Required</i>
			<b>FEATURES / BENEFITS</b>
			<i>NSF Certified</i>
			<i>Dishwasher safe</i>
			<i>Shatterproof lens</i>
			<i>Magnified dial</i>
			<i>Protective sheath included</i>
<b>271</b>	<b>unit</b>	<b>10</b>	<b>Flat Plate Weighing Scale, 30KG</b>

			<i>Table Scale, Large, Mechanical Dial Type, Legal for Trade, Anti-Bacterial Powder Coat, Flat Plate</i>
			<i>Capacity: 30 kg</i>
			<i>Graduation / Readability: 0.1 kg</i>
			<i>Type: Mechanical</i>
<b>272</b>	<b>pc</b>	<b>55</b>	<b>MILK PAIL STAINLESS, 5 Liter Capacity</b>
			<i>Ideal for Milk for calves, food or for milk processing.</i>
			<i>Fully Stainless steel food grade bucket.</i>
			<i>Inside and outside high-gloss polished</i>
			<i>Graduation in litres</i>
			<i>Holds 5 litres</i>
<b>273</b>	<b>pcs</b>	<b>50</b>	<b>STAINLESS FUNNEL</b>
			<i>DIM: 16 X 19 CM</i>
			<i>Made of stainless steel, durable and easy to clean</i>
<b>274</b>	<b>can</b>	<b>50</b>	<b>Stainless Steel Milk Canister, 10L capacity</b>
			<i>Material: 304 SS (AISI)</i>
			<i>Grade: AISI</i>
			<i>Capacity: 10L</i>
			<i>Overall Height: 229mm</i>
			<i>Overall Width: 292mm</i>
			<i>Overall Length:229mm</i>
			<i>Thickness:1.2mm</i>
			<i>Suitable: Carrying Milk</i>
			<i>Packing: 1 Pcs</i>
			<i>Weight: 1.4kg</i>
<b>275</b>	<b>pc</b>	<b>10</b>	<b>LABORATORY ALCOHOL LAMP PLASTIC COVER</b>
			<i>Alcohol Burner Lamp</i>
			<i>Capacity: 50ml</i>
			<i>Glass alcohol burner for lab and craft</i>
			<i>Height(mm):118</i>
			<i>Dimension: 6cm x 16cm x 9cm</i>
<b>276</b>	<b>pcs</b>	<b>10</b>	<b>Test tube Clamp/Holder</b>
			<i>6.25 inches long with finger grips</i>
			<i>Holds any size test tube.</i>
<b>277</b>	<b>pc</b>	<b>15</b>	<b>Test Tube Rack 50pcs socket</b>
			<i>Holds 50 test tubes</i>
			<i>Color white</i>
			<i>Material: Plastic</i>

## *Section VII. Technical Specifications*



## Technical Specifications

Item #	Unit	Qty	Description	STATEMENT OF COMPLIANCE
1	pc	1	<b>0-90% Brix Portable Brix Refractometer Fruit Sugar Meter</b>	<p><i>[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</i></p>
			Measuring Range: 0-90% Brix	
			Minimum Division: 0.5% Brix Accuracy: ±0.5%	
			ATC Compensation Range: 10°C~30°C (50°F~86°F)	
			Reference Temperature: 20°C	
			Length: 170mm	
			Weight: 250g	
2	pc	1	<b>18L Pressure Steam Autoclave Sterilizer</b>	
3	pc	10	<b>250 ml Reagent/ Media Bottle</b>	
			Clear bottles	
4	box	6	<b>3 layer Non-woven surgical face mask, at least 50 pcs. per box</b>	
5	pc	10	<b>500 ml Reagent/ Media Bottle</b>	
			clear bottles	
6	pack	5	<b>90mm x 15 mm Disposable Plastic Petri Dish</b>	
			50 pc/pack	
7	gal	10	<b>Alcohol, Denatured</b>	
8	pack	3	<b>Ammonium Acetate, AR, 500g</b>	
9	btl	1	<b>Ammonium Flouride</b>	
			☐White crystalline	
			☐ACS reagent, ≥98.0%	
			☐500g	
10	btl	3	<b>ammonium molybdate</b>	
			ammonium molybdate, analytical reagent - 500 g.	
11	unit	1	<b>Analytical Balance (Maximum Capacity 220g)</b>	
			FEATURES:	
			Large viewing angle with bright backlit LCD display. 2 line display provides	
			additional information or guidance prompts to the user. Capacity bar displays	
			the weighing progress.	
			• A static removal bar (constructed of permanent static electric dissipative ABS)	
			provides a convenient grounding location.	
			• Four quick keys enable easy operation of multiple weighing modes.	
			• RS232 and USB device ports allow for easy connectivity to PCs and PLCs. Equipped	
			with a security lock to prevent unauthorized use.	
			SPECS:	
			Capacity (g): 220	
			Readability: 0.1 mg	
			Repeatability std (g): ±0.0001	

			Linearity (g): $\pm 0.0002$	<i>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.]</i>
			Weighing Units: gram, milligram, mesgal, momme, Newton, ounce,	
			pennyweight, Baht, carat, grain, pound, Tael (Hong Kong), Tael, (Singapore), Tael (Taiwan), tical, tola, troy ounce	
			Pan Size: $\varnothing$ 90 mm	
			Power Requirements: AC Adapter Input: 100-240 VAC 0.3A 50-60 Hz	
			AC Adapter Output: 12 VDC 0.84A	
			Shipping Dimensions: 507 x 387 x 531 mm	
			Net Weight: 5.1 kg	
12	set	1	<b>Anemometer, Rotating Vane and Thermistor, Data logging, Digital</b>	
			▣ Measurement Units:	
			◀ Velocity: m/s, km/h, ft/min, knots, mile/hr	
			◀ Temperature: °C or °F	
			◀ Resolution: 0.1°C (0.1°F) / 0.01m/s	
			▣ Memory Card: SD memory card	
			◀ Data Output:	
			◀ RS232: With optional cable/software	
			◀ USB: With optional cable/software	
			◀ Operating Temperature: 0 to 50°C (32 to 122°F)	
			◀ Power: heavy-duty batteries, or 9V power adaptor (optional)	
13	pack	5	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>	
14	pack	5	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>	
15	pc	1	<b>Barometer/Thermometer/Humidity Data Logger</b>	
			Barometric Pressure : 10 to 1100 hPa; 7.5 to 825.0 mmHg; 0.29 to 3248 inHg	
			Resolution : 0.1 hPa, 0.1mmHg, 0.01inHg	
			Temperature: 32 to 122°F (0 to 50°C)	
			Resolution/Basic Accuracy: 0.1°F(°C) / $\pm 1.5^\circ\text{F}$ (0.8°C)	
			Relative Humidity: 10 to 90%RH	
			Resolution/Basic Accuracy: 0.1% / $\pm$ (4% of rdg + 1% RH)	
			Datalogging: 20M data using 2G SD card	
			Dimension: 5.2 x 3.1 x 1.3" (132 x 80 x 32mm)	
			Weight: 10oz (285g)	
16	pc	2	<b>Brush Suitable for 10mL Graduated Cylinder</b>	
			▣ Bristle Material: Black Nylon	
			▣ Suitable for 10mL Graduated Cylinder	
17	btl	1	<b>Buffer Solution pH 10, 500 mL</b>	
18	btl	1	<b>Buffer Solution pH 4, 500 mL</b>	
19	btl	1	<b>Buffer solution, pH 7, 1000 ml.</b>	
20	set	1	<b>BULK DENSITY SOIL SAMPLER KIT WITH COMPACT SIDE HAMMER -AMS77458</b>	
			-Standard set to a depth of 2 meter	

			-The kit is used for sample rings with a diameter of 60mm
			-Soil sampling kits are used for a variety of tests, including bulk density determination of soil.
			Suitable for hammering
			Soil sample ring of 60mm
			For use with the compression test (08.87) & shear/compression test apparatus (08.68)
			Sample ring protected by ring holder
			standard set for a depth of 2 meters
21	kg	1	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>
22	btl	1	<b>Chromogenic agar for E.coli</b>
			purpose: selective medium for simultaneous detection of E. coli and other coliforms in water and food samples
			1 btl 500g
23	btl	1	<b>Chromogenic Agar for Enterococcus</b>
			purpose: for selective and differential identification of Enterococcus species
			1 btl 500g
24	btl	1	<b>Chromogenic agar for Salmonella</b>
			purpose: for identification of Salmonella species from other organisms in the family Enterobacteriaceae
			1 btl 500g
25	pc	1	<b>Compound Light Microscope with Camera</b>
			Specifications:
			Head - Trinocular, 30° incline, 360° rotatable
			Interpupillary Adjustment- Siedentopf compensation-free gemel, 48-75 mm
			Ocular Diameter- 30mm
			Ocular Diopters- left ocular
			Eyepieces- 10X
			Photo Port- height-adjustable YX series, 23mm tube mount
			Objective Lenses- Infinity-corrected
			Objective Parfocal Distance- 45mm
			Objective Mounting Thread- RMS 20.32mm
			Objective Turret- Reverse quintuple, ball-bearing movement
			Focusing System- Coaxial coarse and fine focus, tension control
			Focus Range- Travel - 24mm
			Coarse Stroke - 37.7mm per rotation
			Fine Stroke - 0.1mm per rotation
			Stage Design- Double-layer with caliper
			Stage Dimensions- 185mm x 142mm
			X-Y Translation Range- 75mm x 55mm
			Transmitted Illumination- 6V30W halogen, continuous-adjustment,

			<i>rear-mount housing with aspherical collector</i>
			<i>Condenser- NA0.9/0.25 achromatic swing condenser with iris diaphragm</i>
			<i>Sub-stage Condenser-holder - rack and pinion</i>
<b>26</b>	<b>btl</b>	<b>2</b>	<b>D-Chloroform 50 mL/btl</b>
			<i>Chloroform-d (Deuteriochloroform, CDCl<sub>3</sub>), deuterated chloroform, is a Standard purity solvent for NMR (Nuclear Magnetic Resonance) analyses</i>
<b>27</b>	<b>pc</b>	<b>15</b>	<b>Drager Aspirator Bulb</b>
<b>28</b>	<b>btl</b>	<b>6</b>	<b>Ethanol Absolute, 2.5 Liters/ bottle</b>
<b>29</b>	<b>btl</b>	<b>2</b>	<b>Ferrous sulfate (FeSO<sub>4</sub>, 7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>500 grams</i>
<b>30</b>	<b>box</b>	<b>1</b>	<b>Filter Paper</b>
			☐ <i>Filter Paper No.1</i>
			☐ <i>Qualitative Circles 125mm (12.5cm)</i>
			☐ <i>Qty/box: 100 pieces per box</i>
			☐ <i>Porosity: Medium</i>
			☐ <i>Flow Rate: Medium</i>
<b>31</b>	<b>box</b>	<b>5</b>	<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>
<b>32</b>	<b>btl</b>	<b>11</b>	<b>Formaldehyde</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
<b>33</b>	<b>unit</b>	<b>2</b>	<b>Freezer</b>
			<i>Microprocessor temperature control with LED display</i>
			<i>The inner temperature range: -25 °C~-30 °C</i>
			<i>Multiple sensors to display or control the temperature</i>
			<i>Lock protection and Malfunction alarms</i>
			<i>Uses a highly efficient famous brand compressor and fan with shelves/drawers</i>
			<i>CFC-Free/HCFC refrigerant</i>
			<i>AC 220V with AVR</i>
			<i>Minimum 100L capacity</i>
			<i>Around 590x590x900(mm)</i>
<b>34</b>	<b>unit</b>	<b>1</b>	<b>Gel Imaging Device</b>
			<i>Exceptional Resolution – 5MP Scientific Camera</i>
			<i>Ready to Use – Ready to connect to PC out of the box</i>
			<i>Innovative cabinet – Built in UV transilluminator, safety shut off switch and viewing port</i>
			<i>Large Field of view – 20cm x 24 cm viewing area</i>
			<i>No focus needed – never have to touch camera</i>
			<i>AutoExposure – no manual manipulation of aperture or shutter speeds required.</i>
			<i>Camera- 5 MP (2592 x 1944), scientific grade sensor</i>
			<i>Power- 150v/400ma</i>
			<i>Lens- 8 mm, F 1.4 hands free lens with Smart Capture technology</i>

			Cabinet- Built in UV transiluminator with safety cut-off switch
			Dimensions- 34.6 x 31.1 x 68.6 cm
			Weight- 21.4 kg
35	btl	1	<b>Glacial Acetic Acid</b>
			☑Analytical Reagent grade 2.5L per bottle
36	pc	100	<b>Glass Petri Plates, 100mm x 15mm</b>
			glass
			100mm x 15mm
			for microbiology use
			autoclavable
37	box	5	<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
38	box	5	<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
39	box	6	<b>Gloves, Nitrile, Small</b>
			☑box or 100-50 pairs, small
			☑natural rubber latex-free, powderless
			☑micro grip
40	pc	1	<b>High Precision Stainless Steel Digital Vernier Caliper</b>
			6 inches; 0.01-0.025 mm accuracy
41	unit	1	<b>Horizontal Electrophoresis Apparatus</b>
			Output voltage/current- 10V to 150V/10 - 400 mA
			Timer- 0 - 99 hr or continuous, audible alert
			Overall Dimensions (W x D x H)- 10 x 6.7 x 2.5 in./24.5 x 17 x 6.2 cm
			Gel Capacity- 1 large (12.5 x 12 cm), 2 small (12.5 x 6 cm), 4 micro (6 x 6 cm)
			Program memory- Last programmed parameters saved
			Electrical- Universal 100V- 240V, 50/60 Hz
42	pack	2	<b>Inoculating Loop Stainless Steel</b>
			☑10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology
43	unit	1	<b>Inverted Microscope with Camera and Monitor</b>
			Total Magnification 100X~400X (Standard)
			Eyepiece: WF10X, Ø22mm, WF16X (Optional), Ø11mm
			Eyepiece Diameter: around Ø30mm

			<i>Parfocal Distance: around Ø10mm</i>
			<i>BF Objective: 10X/0.25,20X/0.40, 40X/0.60</i>
			<i>Phase Contrast Objective: 10X/0.25 (20X 40X optional)</i>
			<i>Nosepiece: Quadruple</i>
			<i>Focusing minimum division of the focusing: around 2 µm/ Effective distance: around 11mm</i>
			<i>Double Layer Mechanical Stage (Size: around 112 x 79)</i>
			<i>Condenser: LWD condenser, around W.D. 70mm, with phase-contrast</i>
			<i>Petri Dish: around 86mm x 129.5mm, suitable for circle dish Ø87.5mm</i>
			<i>around 34mm x 77.5mm, suitable for circle dish Ø68.5mm</i>
			<i>around 57mm x 82mm</i>
			<i>Phase Contrast System: Sliding phase contrast equipment, center adjustable</i>
			<i>Light Source: at least 9W LED, with brightness control</i>
			<i>Electrical:220VAC, 50 Hz, with voltage regulator</i>
<b>44</b>	<b>btl</b>	<b>1</b>	<b>Isopropyl alcohol</b>
			☐(CAS 67-63-0)
			☐2 liters,
			☐Anhydrous,
			☐99.5%,
<b>45</b>	<b>pc</b>	<b>5</b>	<b>Lab Gown Long Sleeves L</b>
			☐Lab Coat High-quality White
			☐Size- Large; long sleeves
<b>46</b>	<b>pc</b>	<b>7</b>	<b>Lab Gown Long Sleeves M</b>
			☐Lab Coat High-quality White
			☐Long Sleeves
			☐Medium size
<b>47</b>	<b>pc</b>	<b>35</b>	<b>Laboratory Chair</b>
			<i>Dimension: 34"height</i>
			<i>Durable fixed-height lab stools feature a steel seat attached to a steel plate, which is welded to a heavy-duty tubular base</i>
			<i>Stools also have a fixed tubular footring, welded on both top and bottom for durability, and glides.</i>
<b>48</b>	<b>unit</b>	<b>3</b>	<b>Laboratory Tables</b>
			<i>Dimension: 3.5 m x 1.2m x 85cm height</i>
			<i>Table Top: at least12.7 mm thickness corrosion-resistant white Solid phenolic resin board with at least 25.4 mm thickness edge sealing</i>
			<i>Power socket: 10 power socket 220V per table</i>
<b>49</b>	<b>pack</b>	<b>2</b>	<b>Laboratory Weighing Boats</b>
			☐Plastic, 100 mL
			☐at least 100 pcs. pack
<b>50</b>	<b>btl</b>	<b>1</b>	<b>Lactophenol Cotton Blue Solution</b>
			☐250ml;
<b>51</b>	<b>unit</b>	<b>1</b>	<b>Laminar Flow Hood (Double)</b>

			<i>External Size (W*D*H)- 1040*660*1770mm</i>
			<i>Internal Size (W*D*H)- 940*560*545mm</i>
			<i>Work Surface Height- 750mm</i>
			<i>Display- LED Display</i>
			<i>Airflow Velocity- Average of 0.3~0.5m/s</i>
			<i>Material- Main Body: Cold-rolled</i>
			<i>steel with anti-bacteria</i>
			<i>powder coating</i>
			<i>Work Table: 304</i>
			<i>stainless steel</i>
			<i>Pre-filter- Polyester fiber, washable</i>
			<i>HEPA Filter- 99.995% efficiency at 0.3µm</i>
			<i>Noise- &lt;65dB</i>
			<i>Front Window- Manual, 5mm toughened glass, anti-UV</i>
			<i>Max Opening- 310mm</i>
			<i>UV Lamp- 20W*1</i>
			<i>Emission of 253.7 nanometers</i>
			<i>LED Lamp- 12W*1</i>
			<i>Consumption- 350W</i>
			<i>Caster- Universal caster with leveling feet</i>
			<i>Power Supply- AC220V±10%, 50/60 Hz; 110V±10%, 60 Hz</i>
			<i>Standard Accessory- LED lamp; UV lamp*2; Base stand.</i>
			<i>Optional Accessory- Electric height adjustable base stand</i>
			<i>Gross Weight- 150kg</i>
			<i>Package Size (W*D*H)- 1190*890*1340mm</i>
<b>52</b>	<b>unit</b>	<b>1</b>	<b>Laminar Flow Hood/Cabinet</b>
			<i>Polypropylene with Transparent PVC side windows, Washable polyurethane foam filter,</i>
			<i>Particle count exceeds Class 100 requirements</i>
			<i>Final Filters:HEPA: 99.99% efficient at around 0.3µm particles</i>
			<i>Fan Motor:.333 HP at high speed; .25 HP at low speed</i>
			<i>Average airflow velocity: around 90 feet/minutes (fpm)</i>
			<i>Electrical:220VAC, 50 Hz</i>
			<i>Size: Around 2x4 ft</i>
			<i>Low noise at 52.4 dBA</i>
<b>53</b>	<b>btl</b>	<b>1</b>	<b>Litmus Milk medium</b>
			<i>A bottle containing 500g powdered, used to determine the action of bacteria in Milk and in acidic or alkaline environment</i>
<b>54</b>	<b>rolls</b>	<b>5</b>	<b>Masking tape, autoclavable, for laboratory use</b>
			<i>1" wide x 55m length;</i>
<b>55</b>	<b>btl</b>	<b>4</b>	<b>Methanol 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle;</i>
<b>56</b>	<b>pc</b>	<b>50</b>	<b>Microwaveable food grade rectangular container 750ml</b>
<b>57</b>	<b>btl</b>	<b>1</b>	<b>Mueller Hinton Agar</b>

			<i>Medium used for conducting the antibiotic sensitivity test.</i>
			<i>supplied in 500g/bottle</i>
<b>58</b>	<b>btl</b>	<b>1</b>	<b>Mueller Hinton Broth, 500gms</b>
<b>59</b>	<b>btl</b>	<b>1</b>	<b>Nutrient Gelatin</b>
			<i>Nutrient Gelatin, 500g</i>
<b>60</b>	<b>pc</b>	<b>50</b>	<b>petri dish with cover</b>
			<i>Glass</i>
			<i>Petri Dish Style: 100 x 15mm</i>
			<i>Top Style: Beaded Rim</i>
			<i>Surface Treatment: Not Treated</i>
			<i>Diameter: 95mm (approx.)</i>
			<i>Height: 17mm (approx.)</i>
			<i>Autoclavable</i>
<b>61</b>	<b>unit</b>	<b>1</b>	<b>pH Meter</b>
			<i>Range: -2.000 to 20.000 pH</i>
			<i>Resolution: 0.001, 0.01, 0.1 pH</i>
			<i>Accuracy: ±0.002 + 1 LSD</i>
			<i>Calibration: Up to 6 (USA, NIST, DIN, or custom buffer sets)</i>
			<i>Connectors</i>
			<i>BNC: mV</i>
			<i>Range: ±2000.0 mV</i>
			<i>Resolution: 0.1 mV</i>
			<i>Accuracy: ±0.2 mV</i>
			<i>Calibration: Offset up to +150 mV</i>
			<i>Connectors: BNC</i>
			<i>Temperature</i>
			<i>Range: 0.0 to 100.0°C (32.0 to 212°F)</i>
			<i>Resolution: 0.1°C or °F</i>
			<i>Accuracy: ±0.3°C (±0.5°F)</i>
			<i>Connectors: 2.5 mm phono</i>
			<i>Temperature compensation: manual or automatic from 0 to 100°C (32 to 212°F)</i>
			<i>Memory: up to 500 data sets with time/date stamp</i>
			<i>Output: RS-232, 9-pin female</i>
			<i>Display: 3 1/4 " x 2 7/16 " (8.3 x 6.2 cm) graphic LCD with backlight</i>
			<i>Operating temperature: 0 to 50°C (32 to 122°F), noncondensing humidity</i>
			<i>Power: universal 110/240 VAC, 50/60 Hz with adapter; UL/CSA listed</i>
			<i>Dimensions</i>
			<i>Meter: 6 1/8 " x 6 7/8 " x 2 3/4 " (15.5 x 17.5 x 6.9 cm)</i>
			<i>Boxed: 12" x 9" x 5" (30.8 x 15.5 x 12.4 cm)</i>
			<i>Weight: Meter only: 1.4 lb (0.6 kg); Boxed: 4 lb (1.8 kg)</i>
<b>62</b>	<b>pc</b>	<b>1</b>	<b>pH Meter pen type</b>
			<b>■0.1 pH resolution</b>



			☐water-resistant/proof
63	pc	5	<b>Polycarbonate Safety Goggles</b>
			<i>Indirect ventilation.</i>
			<i>Flexible PVC and nylon frame.</i>
			<i>Panoramic screen.</i>
			<i>Adapted to wear with glasses and disposable respiratory half-masks.</i>
			<i>Wide elastic strap.</i>
64	btl	1	<b>Potassium antimony tartrate</b>
			<i>Analytical reagent grade, 500g/bottle</i>
65	btl	2	<b>potassium antimony tartrate (III) hydrate, AR, 500g</b>
66	btl	3	<b>Potassium Bromide 500g/btl</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
67	btl	1	<b>Potassium Chloride, AR, 1000g</b>
68	btl	3	<b>Potassium dichromate, AR Grade</b>
			☐500 grams/poly bottle
69	btl	1	<b>Potassium Hydroxide</b>
			☐Flakes
			☐Analytical Grade
			☐1kg
70	btl	2	<b>Potassium sulfate, K<sub>2</sub>SO<sub>4</sub></b>
			<i>Analytical reagent grade, 500g/bottle;</i>
71	btl	3	<b>Sabouraud Dextrose Agar, 500g;</b>
72	kg	6	<b>sodium carbonate</b>
			<i>sodium carbonate - analytical grade, 1.00 kg</i>
73	btl	1	<b>Sodium Chloride</b>
			<i>Analytical Reagent Grade 500g per bottle</i>
74	btl	23	<b>Sodium Hexametaphosphate, 500g</b>
75	btl	3	<b>Sodium Hydroxide, AR 500G</b>
			☐500 g/bottle, AR, Pellets
76	btl	2	<b>Sodium Nitrate 500g/btl</b>
			☐Anhydrous
			☐Lab grade/ Analytical reagent grade
			☐Expiration date(3 years from the delivery date)
			☐Packed in Teflon bottles
77	set	5	<b>Soil Test Kit</b>
78	btl	1	<b>Standard Method Agar (PCA)</b>
			<i>Plate Count Agar</i>
			<i>500g</i>
79	pc	1	<b>Stereo zoom microscope with camera and monitor</b>
			<i>Microscope Specs:</i>
			<i>Viewing Head-Trinocular body with viewing head that rotates 360°. Head locks in place with tightening screw. Dual diopters on each eyetube. Light is directed 100% to</i>

			eyetubes and trinocular port.
			Eyepieces- Widefield 10x eyepieces / FN 20mm. Accepts 24mm diameter reticle.
			Zoom Ratio- 6.4:1
			Objectives- Zoom range of 0.7x- 4.5x.
			Stand- Rugged cast metal frame track stand with white enamel finish. Transmitted and reflected LED illumination. Top and bottom LED lights each have their own rheostat controls. Supplied with 95mm frosted stage plate and black/white stage plate. Two locked-on stage clips. CE Certified. 115~230V.
			Focusing- Coarse focus adjustment.
			Working Distance- 100mm
			Illumination- Transmitted and Reflected LED illumination with intensity control and on/off switch for each light.
			C-Mount Adapter- 0.35x C-Mount Adapter
			Camera- HD 1080p camera, live resolution 1920×1080 pixels. 2mp image capture to SD card. Live image 1080p / 60 fps. HDMI connection to 12" HD monitor. Image capture to SD Card. Camera controls for exposure, gain, white balance, color adjustment, sharpness. Includes mouse for on-screen controls. HDMI direct connection to monitor.
			Monitor- 12" LCD HDMI monitor, 1080p. LED backlight. Monitor mounts directly to HD camera and includes 110~240V power cord and HDMI cable.
			Dimensions- 9.5" W x 11.5" D x 15" H.
			Weight- 11 lbs.
			Warranty- 5-year limited warranty on microscope, 1 year on tablet camera.
80	btl	3	<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 500 mL
81	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
82	pc	1	<b>Temperature Data Logger</b>
			☑High accuracy temperature logger
			☑Logger can be connected to the PC
			☑via USB for data import and export to excel or pdf.
83	pack	2	<b>Test Tube Brush</b>
			☑For test tubes
			☑Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.
			☑Length: at least 10 inches
			☑Brush size diam. × L: utmost 1 3/8 in. × 4 in.
			☑Pack of 4 brushes

84	bag	1	<b>Test tube Cap for 16mm Glass test Tubes, Clear, 100/Bag</b>
			<i>Description:</i>
			<i>Polypropylene (PP)</i>
			<i>Autoclavable</i>
			<i>Ridges inside cap provide secure grip and gas exchange</i>
			<i>Maintain sterility without cotton plugging</i>
85	pack	10	<b>Weighing Paper Sheet, Non-Absorbing</b>
			<i>High-Gloss Pack of 500</i>
86	pc	2	<b>Brush for cleaning 250mL Erlenmeyer Flask</b>
			☐ <i>Bristle Color: White Bristle</i>
			☐ <i>Brush+Handle Length: 12"</i>
			☐ <i>Brush Diameter: 1 3/8"</i>
			☐ <i>Brush Length: 3 1/2"</i>
			☐ <i>Suitable for cleaning 250mL Erlenmeyer Flask</i>
87	pack	2	<b>Pipette Dropper with Rubber Head</b>
			☐ <i>Pipette Dropper with Rubber Head</i>
			☐ <i>Capacity: 10mL</i>
			☐ <i>Material: Glass/Borosilicate Glass</i>
			☐ <i>12PCS/PACK</i>
88	pc	60	<b>Laboratory Stool/Chair, Wheeled</b>
			<i>Anti-static stool</i>
			<i>Adjustable height: at least 40-60 cm</i>
			<i>Weight capacity: at least 300lbs</i>
			<i>Ergonomic with hip to mid-waist level back support</i>
			<i>With round footrest/ foot ring</i>
			<i>Anti-slip seat material: Rugged polyurethane</i>
			<i>No. of wheels: 5</i>
			<i>Standard style w/polished aluminum base: 20"-30"</i>
			<i>Seat shape: Round</i>
			<i>Color: Black</i>
89	kg	1	<b>Agar Agar</b>
90	kg	2	<b>Ammonium nitrate (NH<sub>4</sub>NO<sub>3</sub>) suitable for plant cell and tissue culture</b>
91	btl	1	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>
			<i>Dried</i>
			<i>1.5-2.5mm</i>
			<i>Molecular Weight: 246.47</i>
			<i>500grams</i>
92	btl	1	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>
93	canister	2	<b>Ethyl Alcohol (95%)</b>
			<i>Container Size: Plastic waterjug 20L</i>
94	btl	1	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>Wt. 169.01</i>

			<i>Colourless efflorescent crystals</i>
			<i>500 grams</i>
<b>95</b>	<b>kg</b>	<b>2</b>	<b>Potassium Nitrate (KNO<sub>3</sub>) suitable for plant cell and tissue culture</b>
			<i>1 kilogram of Potassium Nitrate</i>
<b>96</b>	<b>btl</b>	<b>2</b>	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>
			<i>Analytical grade</i>
			<i>Use for enzyme buffers and chemical assays</i>
			<i>Bottle of 500g</i>
<b>97</b>	<b>btl</b>	<b>10</b>	<b>Agar Powder</b> <i>atleast 500g/btl</i>
			<i>for plant tissue culture</i>
<b>98</b>	<b>btl</b>	<b>2</b>	<b>Agarose powder 100g</b>
			<i>100g per bottle</i>
			<i>molecular biology grade</i>
<b>99</b>	<b>pack</b>	<b>5</b>	<b>Casein</b>
			<i>Food Grade Cassein</i>
			<i>1kg/pack</i>
<b>100</b>	<b>kit</b>	<b>2</b>	<b>DNA Extraction Kit</b>
			<i>For in Vitro research use</i>
			<i>Manual, Solution-Based DNA Extraction Method</i>
			<i>DNA from blood, animal and plant cells, bacteria or yeast</i>
			<i>60-minute, scalable protocol</i>
			<i>Kit size based on number of isolations from whole blood, other sample types may vary</i>
			<i>Content and Storage: 15°C to 30°C</i>
			<i>For Use With (Application): Isolate genomic DNA from whole blood, cultured cells, yeast, mouse tissue or numerous other cell sources</i>
			<i>100 isolations x 300ul</i>
<b>101</b>	<b>tubes</b>	<b>12</b>	<b>dNTP 10mM</b>
			<i>Molecular Biology Grade</i>
			<i>Premixed dNTP solution</i>
			<i>10mM each dATP, dCTP, dGTP, dTTP</i>
			<i>1mL per tube</i>
<b>102</b>	<b>kit</b>	<b>1</b>	<b>DNTPs set, 4x 250 ul, 100mM</b>
<b>103</b>	<b>btl</b>	<b>2</b>	<b>EDTA, 500g, A.R, monobasic</b>
<b>104</b>	<b>btl</b>	<b>5</b>	<b>Ethanol Mol Grade</b>
			<i>Molecular grade for analysis</i>
			<i>2.5 liters/btl</i>
<b>105</b>	<b>tubes</b>	<b>2</b>	<b>Gel Red Stain</b>
			<i>Format : 10,000X in water, 1X in water</i>
			<i>Excitation/Emission : 551/625 nm (with dsDNA)</i>
			<i>DNA/RNA dye : DNA dye</i>
			<i>Storage Conditions : Store at room temperature, Protect from light</i>
			<i>Assay type/options : DNA/RNA gel staining</i>
			<i>Superior dsDNA staining in polyacrylamide gels</i>

			<i>Formulated for efficient penetration of polyacrylamide gel</i>
			<i>Safer than EtBr: non-mutagenic and non-hazardous for disposal</i>
			<i>Simple pre- and post-electrophoresis gel staining, no destaining</i>
			<i>Use with standard EtBr imaging equipment or optical settings</i>
			<i>Compatible with downstream gel purification, restriction digest, sequencing</i>
			<i>pack size: 0.5 mL</i>
<b>106</b>	<b>btl</b>	<b>2</b>	<b>Hydrochloric Acid</b>
			<i>1 Litre/bottle</i>
			<i>analytical grade</i>
<b>107</b>	<b>pack</b>	<b>5</b>	<b>microcentrifuge tubes 1.5mL (1000s)</b>
			<i>1.5mL</i>
			<i>1000 per pack</i>
			<i>Sterile</i>
			<i>DNase/RNase free</i>
<b>108</b>	<b>pack</b>	<b>3</b>	<b>PCR 0.2mL tubes multicolored (1000s)</b>
			<i>Autoclavable</i>
			<i>sample volume, 0.2 ml</i>
			<i>multicolored</i>
<b>109</b>	<b>pack</b>	<b>5</b>	<b>Pipette Tips Blue</b>
			<i>Sterile</i>
			<i>Autoclavable</i>
			<i>pipette volume, 1000 µL</i>
			<i>DNase/RNase free</i>
			<i>1000 pcs/ pack</i>
<b>110</b>	<b>pack</b>	<b>5</b>	<b>Pipette Tips Yellow</b>
			<i>Autoclavable</i>
			<i>pipette volume of 20 - 200 µl</i>
			<i>1000 pcs / Pack</i>
			<i>Sterile</i>
<b>111</b>	<b>pc</b>	<b>2</b>	<b>Pipettor (set of 2ul, 20ul, 200ul,1000ul)</b>
			<i>Lightweight, ergonomic, low force design</i>
			<i>Easy to calibrate and maintain with tool supplied</i>
			<i>Design helps avoid repetitive strain injuries</i>
			<i>The low part is available for autoclaving</i>
			<i>Manufactured from innovative materials</i>
			<i>Volume adjustment: only a few turns to reach your desired volume</i>
			<i>Ejector: very low operating force, positioned for perfect ergonomics</i>
			<i>Quick connection clip: remove lower part easily</i>
<b>112</b>	<b>tubes</b>	<b>2</b>	<b>Polymerase 500 Units</b>
			<i>Detection Method - Primer-probe</i>
			<i>PCR Method - Standard PCR</i>

			<i>Polymerase - Taq DNA Polymerase</i>
			<i>Product Type - DNA Polymerase PCR Buffer</i>
			<i>Shipping Condition - Dry Ice</i>
			<i>Concentration - 10X</i>
			<i>Fidelity (vs. Taq) - 10 X</i>
			<i>Reaction Format - Kit</i>
			<i>Volume - 1 mL</i>
113	btl	2	<b>Potato Dextrose Agar (PDA), 500 grams</b>
114	tubes	5	<b>Reaction buffer</b>
			<i>reaction buffers for PCR</i>
			<i>5ml</i>
115	btl	2	<b>Sodium Acetate (NaOAc)</b>
			<i>500g/bottle</i>
			<i>Purity % - 99%</i>
			<i>Grade Standard - Lab Grade</i>
116	btl	2	<b>Sodium chloride (NaCl)</b>
			<i>Analytical grade</i>
			<i>500g/bottle</i>
117	btl	2	<b>Sodium Dodecyl Sulfate (SDS)</b>
			<i>Molecular Biology Grade</i>
			<i>500g/bottle</i>
118	btl	2	<b>Triton 500 ml</b>
			<i>500 ml (16 oz) Plastic Bottle</i>
			<i>High Purity 99%: NOT Diluted</i>
119	pack	5	<b>White Pipette Tips</b>
			<i>Sterile</i>
			<i>Autoclavable</i>
			<i>0.5 – 10uL (pipette volume)</i>
			<i>1000 pcs/pack</i>
120	btl	4	<b>Yeast Extract</b>
			<i>500g/bottle</i>
			<i>in powder form</i>
			<i>Appearance : Light yellow to brownish yellow homogenous free flowing powder having characteristic odour but not putrescent.</i>
			<i>Solubility : Freely soluble in distilled/ purified water, insoluble in alcohol.</i>
			<i>Clarity : 2% w/v aqueous solution remains clear and neutral without any haziness after autoclaving at 15 lbs pressure (121C) for 15 minutes.</i>
			<i>Reaction : Reaction of 2% w/v aqueous solution at 25C.</i>
			<i>pH : 6.50- 7.50</i>
121	unit	1	<b>Stovetop autoclave</b>
			<i>Stovetop</i>
			<i>Sterilizer</i>
			<i>Capacity - 17.6 Qt Inner Container Capacity (Liquid)</i>
			<i>Overall Height - 16 3/4 inches</i>

			Bottom Height - 12 1/4 inches
			Inside Diameter - 12 5/8 inches
			Inner Container
			Inside Depth - 10 1/4 inches
			Inside Diameter - 11 1/8 inches
			Circumference - 35 7/8 inches
			Capacity - 17 1/2 Quarts
122	pc	1	<b>Rubber Aspirator suction, 30 ml</b>
123	pc	1	<b>Drager Aspirator Bulb</b>
124	pack	1	<b>Laboratory Weighing Boats, Plastic 100ml</b>
			at least 100 pcs/pack
125	btl	4	<b>Sulfuric Acid</b>
			☑Analytical Grade (98%)
			☑2.5 Liters
			☑specific gravity 1.84
126	pack	1	<b>Test Tube Brush</b>
			☑For test tubes
			☑Brush materials resistant to acids, aromatic and aliphatic hydrocarbons, ketones, ethyl acetate esters, trichloroethylene, and hot water.
			☑Length: at least 10 inches
			☑Brush size diam. × L: utmost 1 3/8 in. × 4 in.
			☑Pack of 4 brushes
			<b>GOODS-23-40 (Rebidding)</b>
127	pc	30	<b>100 ml Type 1, class A borosilicate glass Beaker</b>
128	pc	2	<b>1000mL Beaker Plastic</b>
			The polypropylene beaker has excellent transparency and the contents can be seen well.
			Can be autoclaved.
			Has excellent chemical resistance and durability
			Specification: With scale, with handle
			Material: Polypropylene (PP)
			Type: Beaker with handle
			Scale: Yes
			Heat Resistance Temperature (°C): 120
			Handle: Yes
129	btl	1	<b>2,4-Dichlorophenoxyacetic acid, 250grams/btl</b>
			2,4-Dichlorophenoxyacetic acid plant growth regulator 2,4-D used for
			Plant tissue culture
130	pc	3	<b>250 mm glass stirring rod</b>
131	pc	10	<b>50 ml Type 1, class A borosilicate glass Beaker</b>
132	pack	1	<b>Activated Charcoal suitable for plant cell and tissue culture (500g)/pack</b>
133	btl	1	<b>Agar for plant cell and tissue culture</b>
			500grms/btl
134	gal	1	<b>Alcohol, Ethyl, 95% (Tech)</b>
135	pack	2	<b>Ammonium Acetate, AR, 500g</b>
136	btl	1	<b>Ammonium Fluoride</b>

			<ul style="list-style-type: none"> <li>☐ White crystalline</li> </ul>
			<ul style="list-style-type: none"> <li>☐ ACS reagent, ≥98.0%</li> </ul>
			<ul style="list-style-type: none"> <li>☐ 500g/btl</li> </ul>
137	btl	2	<b>Ammonium Sulfate, 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>
138	btl	2	<b>Ascorbic acid</b>
			<ul style="list-style-type: none"> <li>☐ Analytical reagent grade, crystalline powder, 25 g/bottle</li> </ul>
139	pc	2	<b>Beaker</b>
			Beaker Plastic 5000mL
			The polypropylene beaker has excellent transparency and the contents can be seen well.
			Can be autoclaved.
			Has excellent chemical resistance and durability.
			Specification: With scale, with handle
			Material: Polypropylene (PP)
			Type: Beaker with handle
			Scale: Yes
			Heat Resistance Temperature (°C): 120
			Handle: Yes
			Good quality
140	btl	1	<b>Boric acid, AR</b>
			Certified molecular biology grade
			Suitable for electrophoresis, ≥99.5%
			Size: 500g per bottle
141	btl	2	<b>Buffer solution, pH 7, 1000 ml.</b>
142	btl	1	<b>Cadmium Nitrate Standard for the AAS, 500cc/btl</b>
143	btl	2	<b>Calcium Chloride Dihydrate</b>
			<ul style="list-style-type: none"> <li>☐ Branding the chemical to be purchase is following the protocol set for the project's protocol and standards</li> </ul>
			<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>
			<ul style="list-style-type: none"> <li>☐ 500g</li> </ul>
144	btl	3	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>
145	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/btl
			Packaging Type: glass bottle
			Grade: AR quality



146	btl	1	<b>Cobalt chloride (CoCl<sub>2</sub>, 6H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			■Molecular weight: 249.6
			■500g/btl
147	btl	1	<b>Copper sulfate, CuSO<sub>4</sub></b>
			■Anhydrous, Analytical reagent grade, 500g/bottle
148	unit	1	<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
			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
149	btl	1	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>
150	set	2	<b>ELECTRONIC THEODOLITE</b>
			<b>SPECIFICATIONS</b>
			<b>Angle Measurement</b>
			- Measuring Method: Absolute Encoding
			- Diameter of Encoder Disk: 79mm
			- Minimum Reading: 1"
			- Accuracy: 2"
			- Detection Method: Horizontal -Dual, Vertical-Dual
			<b>Telescope</b>
			- Image: Erect
			- Magnification: 26.5x
			- Effective Aperture: 40mm
			- Resolving Power: 3"
			- Field of View: 1°30'
			- Minimum Focus Range: 1.5m
			Multiple Constant: 100
			- Additive Constant: 0
			- Tube Length: 155mm
			<b>Laser</b>
			- Wavelength: 635±20nm
			-Laser Class: Class II
			-Diameter: <4cm/1000m
			- Tolerance: <10"
			<b>Compensator</b>
			- Type: Single Axis
			- Working Range: ±3'
			- Accuracy: ±3"
			<b>Bubble</b>
			- Plate Bubble: 30"/2mm
			- Circular Bubble: 8/2mm
			<b>Display Unit</b>

			- Type: 2.7 Inch LCD screen
			<b>Power Supply</b>
			- Battery: 7.4V, Lithium battery, 8 hrs
			<b>Working Environment</b>
			- Weight: 4.7kg
			<b>Dimension</b>
			- Size: 165*160*340mm
			- Range: -20 °C~ +50 °C
151	btl	1	<b>Ethylenediaminetetraacetic acid disodium salt (Na<sub>2</sub>-EDTA) suitable for plant cell and tissue culture</b>
			500 grams/btl
152	btl	1	<b>Ferrous Sulphate</b>
			☐Analytical Grade
			☐500grams/btl
153	box	4	<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
154	btl	1	<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
155	pc	2	<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
156	pc	2	<b>Holder scalpel # 4</b>
			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
157	btl	1	<b>Hydrochloric acid, HCl</b>
			Analytical reagent grade, concentrated, 2.5L/bottle
158	btl	1	<b>Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)</b>
159	btl	1	<b>indolebutyric acid (IBA)</b>
			Suitable for plant tissue culture 5 gms/btl
160	btl	1	<b>Kinetin, 5grms/btl</b>
			Kinetin is often used in plant tissue culture for inducing formation of

			<i>callus (in conjunction with auxin) and to regenerate shoot tissues from callus (with lower auxin concentration).</i>
<b>161</b>	<b>btl</b>	<b>3</b>	<b>Magnesium Sulphate (MgSO<sub>4</sub>.7H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>Wt. 169.01</i>
			<i>Colourless efflorescent crystals</i>
			<i>500 grams</i>
<b>162</b>	<b>set</b>	<b>1</b>	<b>Magnetic Bar Set</b>
			<i>7pcs of Mixed size PTFE Magnetic Stirrer Mixer</i>
			<i>Stir Bars White Color Without Pivot Ring</i>
			<i>Shape: Cylinder without Pivot Ring</i>
			<i>Feature: corrosion resistance</i>
			<i>Quantity: 7 pcs</i>
			<i>Size: 7pcs of Mixed</i>
			<i>size :C5*15mm C6*20mm C6*25mm C7*25mm</i>
			<i>C9*30mm C8*35mm C7*40mm</i>
<b>163</b>	<b>btl</b>	<b>1</b>	<b>Manganese sulfate (MnSO<sub>4</sub>, H<sub>2</sub>O) suitable for plant cell and tissue culture</b>
			<i>500 grams</i>
<b>164</b>	<b>btl</b>	<b>1</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, AR;</i>
<b>165</b>	<b>unit</b>	<b>1</b>	<b>Multiparameter ph/ORP/EC/TDS/Salinity/DO/Pressure/Temperature Waterproof Meter</b>
			<i>A waterproof portable logging multiparameter meter that monitors up to 12 different water quality parameters.</i>
			<i>Multi-sensors probe allows for the measurement of key parameters including pH, ORP, conductivity, dissolved oxygen, and temperature.</i>
			<i>The probe transmits readings digitally to the meter, where data points can be displayed and logged.</i>
			<i>The complete system is simple setup.</i>
			<i>Backlit graphic LCD Display- features a backlit graphic LCD with on-screen help and the capability to display up to twelve parameters simultaneously.</i>
			<i>The graphic display allows for the use of virtual keys to provide for an intuitive user interface</i>
			<i>Waterproof protection-the meter is enclosed in an IP67rated waterproof casing and can withstand immersion in water at a depth of 1m for up to 30 minutes. The probe features an IP68 rating for continuous immersion in water</i>
			<i>Quick Connect digital Probe-The probe features a quick connect DIN connector that makes a waterproof connection with the meter.</i>
			<i>Color Coded, Field Replaceable sensors-sensor replacement is quick and easy with field replaceable, screw-type connectors that are color-coded for easy sensor port identification</i>
			<i>Auto-sensor recognition- The probe and meter automatically recognize the sensors that are connected. Any ports not used on the probe will not have the parameter displayed or be configurable</i>
			<i>Automatic temperature compensation-Integrated temperature sensor allows for automatic temperature compensation of pH, conductivity and dissolved oxygen measurements</i>
			<i>Automatic Barometric pressure compensation-The meter features a built-in barometer with user selectable units for dissolved oxygen pressure compensation</i>

			Standard or quick calibration-Quick calibration provides a speedy, single-point calibration for pH, conductivity, and dissolved oxygen. Standard pH calibration options are available for calibrating up to three points from a selection of five standard buffers and one custom buffer. Conductivity calibration is a single point from six standard selections or one custom standard. Dissolved oxygen calibration is up to two standard points or a single custom point
			GLP Data- includes a GLP feature that allows users to view calibration data and expiration information at the touch of a key. Calibration data includes date, time, buffers/standards used for calibration, and slope characteristics
			Data Logging-Allows users to store up to 45,000 continuous log-on demand samples with logging intervals from one second to three hours
			Intuitive Keypad-The fitted rubber keypad has dedicated keys for power, backlight, up/down arrows, help and alphanumeric characters. The meter also features two virtual soft keys that navigate the user through the configuration of each parameter, meter setup, and logging of data. The interface is intuitive for any user's level of experience.
			Dedicated help key- Contextual help is always available through a dedicated "HELP" key. Clear tutorial messages and directions are available on-screen to quickly guide users through setup and calibration. The help information displayed is relative to the setting/option being viewed.
			PC Connectivity- Logged data can be transferred to the Window's compatible PC with the included micro USB cable and software
			Long Battery Life- The display of the meter has a battery icon indicator to show the remaining power. The meter uses four 1.5V AA batteries that provide up to 360 hours of battery life
			Rugged Thermoformed Carrying case- The meter, probe and all accessories are supplied in a rugged carrying case designed to provide years of use. The inside compartment of the carrying case is thermoformed to securely hold and protect all of the components.
166	btl	1	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>
167	btl	1	<b>Naphthaleneacetic Acid, 5g</b>
			■Branding the chemical to be purchase is following the protocol set for the project's protocol and standards
			■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
168	pc	75	<b>Test Tube with Screw Cap</b>
			Borosilicate 3.3 glass test tubes with screw cap
			Capacity 10ml
			Length x OD: 150 x 25mm
			Round bottom
			Includes bakelite screw cap with rubber liner
			Excellent resistance to heat and chemicals
			Tube and cap are autoclavable
			13x100mm 10mL capacity
169	roll	1	<b>Parafilm M PM-996 All Purpose Laboratory Film Parafilm sealing film 4 x 125ft</b>

170	pc	50	<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>
171	btl	1	<b>pH 4 Buffer</b>
			<i>Laboratory grade Size: 1L per bottle</i>
172	pc	2	<b>Pipettor Tip Box</b>
			<i>Pipette Pipettor Tip Box, 200UL, 96holes;</i>
173	pc	2	<b>Plastic Graduated Cylinder</b>
			<i>Capacity : 50ml</i>
			<i>Material : Plastic</i>
			<i>Color : Translucent</i>
			<i>Shape : Cylindrical</i>
			<i>Tolerance : 1ml</i>
			<i>Graduated in milliliters : 1ml</i>
174	lot	1	<b>PLN 100x Objective Lens and Fluorescent Microspheres</b>
			<b>1. PLN 100x Objective Lens</b>
			<i>compatible with Euromex OX.2453-PLPHF</i>
			<i>Compatible Cover Glass Thickness (mm): N/A</i>
			<i>Field of View (mm): 0.22</i>
			<i>Focal Length FL (mm): 1.8</i>
			<i>Length excluding Threads (mm): 44.7</i>
			<i>Magnification: 100X</i>
			<i>Maximum Diameter (mm): 24</i>
			<i>Numerical Aperture NA: 1.25</i>
			<i>Mounting Threads: RMS / 20.32mm x 36 TPI</i>
			<i>Compatible Tube Lens Focal Length (mm):</i>
			<i>Focal Length: 180mm</i>
			<i>Type: Microscope Objective</i>
			<i>Weight (g): 114</i>
			<i>Working Distance (mm): 0.15</i>
			<i>Resolving Power (<math>\mu</math>m): 0.27</i>
			<i>Depth of Field (<math>\mu</math>m): 0.27</i>
			<i>Field Number (mm): 22</i>
			<i>Parfocal Length (mm): 45</i>
			<i>Style: Infinity Corrected</i>
			<i>Immersion Liquid: Oil</i>
			<i>Depth of Focus (<math>\mu</math>m): 1760</i>
			<b>2. Fluorescent microspheres (Catalog Code.: FS03F)- 1 pc</b>
			<i>Diameter= 0.50 <math>\mu</math>m</i>
			<i>Volume= 5 ml</i>
			<i>~1% solids (w/v) aqueous suspensions</i>
			<i>Blue Excitation= 465- 495 nm</i>

			Fluorescence color- Dragon Green (480 nm, 520 nm)
			<b>3. Fluorescent Polystyrene Beads (Catalog No.: 2104)- 2 pcs.= PhP 46, 394.16</b>
			Diameter= 1.0 um
			Volume= 1 ml
			Blue Excitation= 465- 495 nm
			Particle density- 1.06 g/cm <sup>3</sup>
			Fluorescence color- Green (450 nm, 510 nm)
175	btl	2	<b>Potassium iodide, KI</b>
			■Analytical reagent grade, powder, 500g/bottle
176	btl	3	<b>Potassium phosphate monobasic, KH<sub>2</sub>PO<sub>4</sub></b>
			Analytical grade
			Use for enzyme buffers and chemical assays
			Bottle of 500g
177	btl	1	<b>Pyridoxine.HCl suitable for plant cell and tissue culture(25g)</b>
178	pc	2	<b>Retriever</b>
			Magnetic stir bar retriever
			used reach stir bars in deep/ big container PTFE coated & steel core, magnetic retrieve recover bar Science lab experiment equipment, recover stirring bars from containers easily Coated in white PTFE corrosion resistance, acid & alkali resistance, high temperature resistance Multipurpose - Stir a liquid or solution in biological, chemical, and research laboratory applications
			Size : Length 250 mm
			Material : Steel & PTFE (Polytetrafluoroethylene)
			Color: White
179	btl	2	<b>Sodium Hexametaphosphate, 500g</b>
180	btl	3	<b>Sodium Hydroxide, AR 500G</b>
			■500 g/bottle, AR, Pellets;
181	unit	20	<b>Stainless Steel Milk Canister, 20L capacity</b>
			Stainless steel dairy equipment
			Have side handles
			Umbrella shaped lid
			20 litre: 20cm neck, 45cm high
182	pc	1	<b>Steel Storage Cabinet for Glasswares</b>
			■Steel Storage Cabinet for Laboratory Glasswares
			■Dimension: W- 90cm x D- 50 cm x H- 185 cm
			■Materials: Metal/Glass
			■Color: Beige/White
			■4 Adjustable Shelves
			■With Keylock
183	pack	1	<b>Surgical Blade # 11 (100's)</b>
			• Carbon steel
			• Stainless steel
			• Individually packed on sterile pouches
			• Disposable ✓Sold per box (100's)
			Good Quality
184	pack	1	<b>Surgical Blade # 22 (100's)</b>

			• Carbon steel
			• Stainless steel
			• Individually packed on sterile pouches
			• Disposable ✓Sold per box (100's)
			Good quality
185	pc	5	<b>Test Tube Rack, 12 x 4 for 13 x 100mm test tubes</b>
			☐Stainless steel;
186	pc	3	<b>Test Tube Rack, 20 mm x 24 tubes</b>
			☐Stainless Steel, 20 mm diameter holes, capacity 24 test tubes
187	btl	1	<b>Thiamine.HCl suitable for plant cell and tissue culture (25gms)</b>
188	pc	2	<b>Thumb Tissue Forcep for Dissection</b>
			Features:
			Stainless Steel Matte Finish Autoclavable Available in Serrated or 1x2 teeth: 8 inches long
			Thumb Tissue Forceps 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.
189	liter	1	<b>Triethanolamine, AR</b>
190	pc	5	<b>Volumetric Flask 50ml</b>
			☐50mL, (±1mL)
			☐Borosilicate glass with glass standard taper stopper,
			☐Class A
			☐Calibrated
191	pc	1	<b>Vortex Mixer</b>
			S-0200- VX-200 Vortex Mixer;
192	pc	9	<b>Wash Bottle, 250mL cap.</b>
			☐Material: Plastic (good quality);
193	unit	10	<b>Weighing Scale Flat, 50 kg</b>
194	pc	2	<b>Graduated Cylinder, Plastic, 1000mL</b>
			Plastic, 1000ml (1L) capacity for Particle Size Analysis
195	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
			Data Hold
			LCD Backlight
			Auto power off
			Overload and low battery indicator
196	L	2	<b>Infrared Loop sterilizer</b>
			Infrared Loop Sterilizer DS900,220v laboratory electric heating high temperature, disinfection infra-red sterilizer, used to disinfect or sterilize inoculating loops/needles for isolating microorganisms

197	pc	1	<b>Portable pH Meter with Temperature probe</b>
198	set	1	<b>Microscope Cleaning Kit</b>
			5-piece set:
			-blower brush
			-lens cleaning fluid
			-lint-free lens paper
			-soft lens cloth
			- lint-free cleaning swabs
199	unit	1	<b>Soil Tension Meter</b>
			Unit: Kgf , gf , N , Lbf
			Measuring Principle: Strain gauge
			Measuring Frequency: 16 msec (62.5 samples / sec)
			Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm
			Overload Capacity: 150 % of Full Scale
			Temperature Coefficient: Zero : less than $\pm 0.3\%$ FS/ °C, Span : less than $\pm 0.01\%$ FS/ °C
			Display: Blue Back light LCD
			Display Update Rate: 0.5 , 1.0 , 2.0 or 4.0 seconds , selectable
			Memory System: Current Value , Max. Value , Peak Value , Min Value
			Overrange Indicator: Buzzer Alarm
			Power Off: 10 Minutes Auto , Manual
			Data Output: USB , B (Optional)
			Roller Material: Stainless Steel ( Standard ) , Plastic ( Optional )
			Maximum Speed: 2000 m/min
			Power Supply: 4 x 1.5 AAA( UM-4 ) Battery
			Operation Temperature: 0 ~ 40 °C
			Operation Humidity: < 80 %
			Weight: 400 g
			Size: Main Unit : 149 x 70 x 30 mm, Sensor : 102 x 81 x 34 mm
			Essential details
			Type: tension meter
			Measuring Principle: Strain gauge
			Measuring Range: 2K-50K
			Measuring Frequency: 16 msec (62.5 samples / sec)
			Sensing Roller: Deflection of Sensing Roller ( max. ) 0.2 mm
			Model: LTTS-200, LTTS-500, LTTS-1K, LTTS-2K, LTTS-5K, LTTS-10K, LTTS-20K, LTTS-50K
			Tension Range: 0~0.2kgf, 0~0.5kgf, 0~1.0kgf, 0~2.0kgf, 0~5.0kgf, 0~10.0kgf, 0~20.0kgf, 0~50.0kgf
			0~200gf, 0~500gf, 0~1000gf, 0~2000gf, 0~5000gf
			0~1.96N, 0~4.9N, 0~9.8N, 0~19.6N, 0~49N, 0~98N, 0~196N, 0~490N
			0~0.44Lbf, 0~1.1Lbf, 0~2.2Lbf, 0~4.4Lbf, 0~11Lbf, 0~22Lbf, 0~44Lbf, 0~110Lbf
			Resolution: 0.001kgf, 0.001kgf, 0.001kgf, 0.001kgf, 0.01kgf, 0.01kgf, 0.01kgf, 0.01kgf
			1gf, 1gf, 1gf, 1gf, 1gf
			0.001N, 0.001N, 0.001N, 0.01N, 0.01N, 0.01N, 0.01N, 0.01N
			0.001Lbf, 0.001Lbf, 0.001Lbf, 0.001Lbf, 0.01Lbf, 0.1Lbf, 0.1Lbf, 0.1Lbf
			Accuracy: $\pm 1.0\%$ or better, $\pm 1.5\%$ or better



200	btl	1	<b>Colchicine suitable for plant cell and tissue culture (1g)</b>
201	bag	1	<b>Paraffin Wax</b>
			☐Form: pellets, white
			☐Ign residue: ≤0.05%
			☐Melting point: 43-95 degrees celsius
			☐Solidification point: 54-56 degree celcius1kg per bag
202	pc	2	<b>Fluorescent Polystyrene Beads (Catalog No.: 2104)</b>
			Specifications:
			Diameter= 1.0 um
			Volume= 1 ml
			Blue Excitation= 465- 495 nm
			Particle density- 1.06 g/cm <sup>3</sup>
			Fluorescence color- Green (450 nm, 510 nm)
203	pc	4	<b>DIVE BOOTIES</b>
			HI CUT WITH LOCK AFTER ZIPPER
			CRESS HIT CUT SIZES 7 (2 PAIRS)
			SIZE 8 (2 PAIRS)
204	pc	1	<b>Cadmium(Cd), Uncoded hollow cathode</b>
			Cadmium(Cd), Uncoded hollow cathode lamp for Agilent AAS 200.
205	btl	1	<b>Compost certified reference material</b>
			certified /Matrix reference Material for Compost
			AgroMAT CP-1 Standard Compost (100g)
			Cat No. 140-025-111
			Supplier: SCP Science Canada
206	pc	1	<b>Filter Cartridge for water purification system</b>
			Filter cartridge for Thermo-Fischer Scientific water purification system
			Cat No. 09.2005
297	pc	1	<b>Iron(Fe) hollow cathode lamp</b>
			Iron (Fe) hollow cathode, Uncoded for Agilent AAS 200.
208	pc	1	<b>Lead(Pb), hollow cathode lamp</b>
			Lead (Pb), Uncoded Lamp for Agilent AAS 220.
209	pc	1	<b>Magnesium (Mg), Hollow cathode lamp</b>
			Magnesium (Mg), Uncoded hollow cathode lamp for Agilent AAS 200.
210	pc	1	<b>Manganese (Mn, Uncoded hollow cathode lamp</b>
			Manganese(Mn), Uncoded Hollow cathode lamp for Agilent AAS 200.
211	pc	1	<b>Nickel(Ni), Hollow cathode lamp</b>
			Nickel(Ni), Uncoded hollow cathode lamp
212	btl	1	<b>Plant tissue certified reference material</b>
			certified reference material for plant tissue
			Hay Powder (30 g), BCR- 129
			Supplier : European Commission
213	pc	1	<b>Sodium (Na), Hollow cathode lamp</b>
			Sodium (Na), Uncoded hollow cathode lamp for Agilent AAS 200.
214	btl	1	<b>Standard certified reference material for Sandy Soil</b>
			Certified Matrix Reference Material for Sandy Soil
			AgroMAT Ag-1 Standard Sandy Soil 175 g

			Cat. No. 140-025-101
			Supplier: SCP Science Canada
215	pc	1	<b>variable mechanical pipettor, 1-5 mL</b>
			variable mechanical pipettor, , 0.5 -5 ml, good quality, standard tips
216	btl	1	<b>Plain Polystyrene Microspheres Cat. No.: 112</b>
			Plain Polystyrene Microspheres (1µm)
			Product description and Characteristics:
			Catalog No: 112
			Lot Number: 107132B
			Polymer: Polystyrene
			Color: None
			Target Mean Diameter : 1 µm
			Actual Mean Diameter: 0.953 µm
			Standard diameter: 0.195 µm
			Number of Spheres (per mL): 2.10E+10
			Anti-microbial agent: 2mM NaN <sub>3</sub>
			Media: 0.1% Tween 20 in DI Water
			Solid content: 1%
			Storage: 2-8 °C
217	set	1	<b>Veterinary Endoscope</b>
			Insertion tube: Charge-coupled device (CCD) chip (video-endoscope); Biopsy/suction channel; Irrigation/insufflation channel; Deflection control cables
			Handpiece: Deflection control knobs; Accessory channel entrance; Irrigation/insufflation; Suction valves
218	pack	2	<b>Antimicrobial Susceptibility Test Discs, Amoxicillin 20µg Clavulanic Acid 10µg, 50discs/pack</b>
219	pack	3	<b>Antimicrobial Susceptibility Test Discs, Gentamicin 10mcg, 100discs/pack</b>
220	pc	1	<b>Apron</b>
			☐Heavy Duty Industrial Chemical Laboratory Apron
			☐Material: Neoprene
			☐Color : Black
			☐Chemical Resistant (Suitable protection against wide range of chemicals)
			☐Light weight
			☐Sizes : at least 35" X 43"
221	pc	1	<b>Autoclave Tape</b>
			☐turns black at 250°F,
			☐width - ¾ inch
			☐length- minimum of 60 yards
222	pc	2	<b>Brush Suitable for 100mL Graduated</b>
			☐Bristle Material: Black Nylon
			☐Suitable for 100mL Graduated Cylinders
223	pc	1	<b>Burette Brush</b>
			☐big size for 50 mL burette
224	btl	2	<b>Canada Balsam, for microscopy, 100ml</b>
225	set	1	<b>Digital Weighing Scale, 50kg</b>
			☐1g accuracy

			<ul style="list-style-type: none"> <li>■ maximum of 50 kg</li> </ul>
			<ul style="list-style-type: none"> <li>■ materials: metal</li> </ul>
226	btl	1	<b>Disodium Hydrogen Phosphate Heptahydrate, AR, 500g/btl</b>
			<i>Analytical Reagent, 500g/btl</i>
227	roll	2	<b>Garbage bag green (large) 10pcs/roll (pk of 10)</b>
228	roll	2	<b>Garbage bag green (medium) 25 pcs/roll (pk of 10)</b>
229	btl	1	<b>Giemsa stain set</b>
			<i>Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml</i>
230	pc	1	<b>Lab Gown Long Sleeves L</b>
			<ul style="list-style-type: none"> <li>■ Lab Coat High-quality White</li> <li>■ Size- Large; long sleeves</li> </ul>
231	pc	1	<b>Lab Gown Long Sleeves M</b>
			<ul style="list-style-type: none"> <li>■ Lab Coat High-quality White</li> <li>■ Long Sleeves</li> <li>■ Medium size</li> </ul>
232	unit	1	<b>Laboratory Safety Goggles</b>
			<i>Chemical and heat resistant</i>
			<i>Anti-fog clear polycarbonate lens</i>
			<i>Soft, flexible PVC body molds to facial contours for a comfortable fit</i>
			<i>Resist a broad range of chemicals</i>
			<i>Circular vents allow air to flow freely through the goggle body</i>
			<i>Meet ANSI™ Z87.1-2010 or equivalent</i>
233	btl	1	<b>Lactose Broth, 500g</b>
234	pack	2	<b>Lens Tissues, 25 Sheets per Booklet, 5 Booklets</b>
235	btl	6	<b>Methanol 2.5L</b>
			<i>Analytical Reagent Grade 2.5L per bottle</i>
236	pack	6	<b>Paraffin, Tissue Embedding Medium, Kg</b>
			<i>Tissue Embedding Wax, Medium</i>
			<i>Pure Paraffin wax with Added Polymer for precise embedding and sectioning</i>
237	pc	6	<b>Plastic Sharps Waste Container</b>
			<i>Made of high quality PE plastic, sturdy, thickened, lightweight, waterproof, durable.</i>
			<i>This product is a waste sharps storage bin suitable for medical or laboratory use.</i>
			<i>2L: app. 14.5cm x 13.5cm / 5.71in x 5.31in</i>
			<i>4L: app. 18.5cm x 17.5cm / 7.28in x 6.89in</i>
238	btl	1	<b>Potassium phosphate dibasic, K<sub>2</sub>HPO<sub>4</sub></b>
			<i>Analytical grade</i>
			<i>Use for enzyme buffers and chemical assays</i>
			<i>Bottle of 500g</i>
239	btl	1	<b>Sodium phosphate monobasic, NaH<sub>2</sub>PO<sub>4</sub></b>
			<i>500g</i>
240	box	2	<b>Rectangular coverslip, 100/box</b>
			<i>Clear glass</i>
			<i>Rectangular</i>
			<i>W x L: 11mm X 22</i>

			<i>Thickness: 0.13-0.16mm</i>
<b>241</b>	<b>pack</b>	<b>2</b>	<b>Resealable Plastic Bag, Large</b>
			☐resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs/pack
<b>242</b>	<b>btl</b>	<b>1</b>	<b>Sodium Tellurite at least 10 grams per bottle</b>
			<i>Component of the Baird Parker Agar used in identifying Staph. aureus</i>
<b>243</b>	<b>pcs</b>	<b>10</b>	<b>Storage Tray</b>
			☐Tray basket organizer
			☐Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)
			☐Plastic, any color
<b>244</b>	<b>bag</b>	<b>1</b>	<b>Transparent ziplock bags (20 x 30cm), 100pc/bag</b>
<b>245</b>	<b>btl</b>	<b>1</b>	<b>Violet Red Bile Agar, 500g</b>
<b>246</b>	<b>btl</b>	<b>1</b>	<b>Wright Stain</b>
			<i>Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml</i>
<b>247</b>	<b>pc</b>	<b>1</b>	<b>Analytical Balance (500/0.001 g)</b>
<b>248</b>	<b>pc</b>	<b>4</b>	<b>Brush Suitable for cleaning 500mL Erlenmeyer Flask</b>
			☐Bristle Color: White Bristle
			☐Brush+Handle Length: 14"
			☐Brush Diameter: 1 1/2"
			☐Brush Length: 4"
			☐Suitable for cleaning 500mL Erlenmeyer Flask
<b>249</b>	<b>set</b>	<b>1</b>	<b>Haemocytometer Counting Chamber</b>
			<i>Material: colorless glass</i>
			<i>Has two wells</i>
			<i>Used for cell counting</i>
			<i>Includes pipettes for RBC and WBC</i>
<b>250</b>	<b>set</b>	<b>1</b>	<b>McMaster Counting Slides</b>
			<i>Count nematode egg</i>
			<i>Egg per gram sensitivity: 25 EPG</i>
			<i>Grid size: 1 cm x 1 cm</i>
			<i>Volume under grid: 0.15 ml</i>
			<i>Material: Acrylic</i>
<b>251</b>	<b>unit</b>	<b>3</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>252</b>	<b>pc</b>	<b>6</b>	<b>Stirring Rod</b>
			☐Standard Size
			☐Good Quality
			☐with rubber policeman
<b>253</b>	<b>pc</b>	<b>2</b>	<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

			<ul style="list-style-type: none"> <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>
<b>254</b>	<b>set</b>	<b>1</b>	<p><b>WHITLOCK UNIVERSAL McMaster slide</b></p> <p><i>For nematode egg counting</i></p> <p><i>Capacity: 4 chamber X 0.5ml</i></p>
<b>255</b>	<b>box</b>	<b>1</b>	<p><b>Aluminum weighing dish</b></p> <p><i>100/pk, 20mL capacity</i></p>
<b>256</b>	<b>pc</b>	<b>1</b>	<p><b>ASTM No. 100 Standard test sieve</b></p> <p><i>8in (203mm) diameter ASTM E11 Test Sieve has stainless steel woven-wire cloth with No. 100 (150µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #100 BU.</i></p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li><i>Individually serial numbered</i></li> <li><i>Compliant with ASTM E11 requirements for Compliance Sieves</i></li> </ul> <p><b>Included Items:</b></p> <ul style="list-style-type: none"> <li><i>8" Sieve, All Stainless, Full Height, No. 100</i></li> <li><i>Certificate of Conformance to ASTM E11 requirements</i></li> </ul> <p><b>Accessories:</b></p> <ul style="list-style-type: none"> <li><i>Sieve Pans nest underneath sieves to collect fines</i></li> <li><i>Sieve Covers prevent sample loss during agitation</i></li> </ul> <p><i>Verification Services provide NIST traceable documentation of opening sizes</i></p> <p><i>ASTM E11 Opening Size: No.100 (150µm)</i></p> <p><i>Sieve Frame Diameter: 8in (203mm)</i></p> <p><i>Frame Height: Full Height</i></p> <p><i>Stacked Frame Height: 2-1/8in</i></p> <p><i>Overall Frame Height: 2-5/8in</i></p> <p><i>Material: All Stainless Steel</i></p> <p><i>Backing Cloth Included: No</i></p> <p><i>Estimated Shipping Weight: 2.0lb (0.91kg)</i></p>
<b>257</b>	<b>pc</b>	<b>1</b>	<p><b>ASTM No. 230 standard test sieve</b></p> <p><i>8in (203mm) diameter ASTM E11 Test Sieve has stainless steel woven-wire cloth with No. 230 (63µm) openings and full height stainless steel frame. The overall height is 2-5/8in and the stacked height is 2-1/8in. This sieve is optionally available fitted with #35 (500µm) stainless steel backing cloth for enhanced durability. To order with backing cloth, please see V8SF #230 BU.</i></p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li><i>Individually serial numbered</i></li> <li><i>Compliant with ASTM E11 requirements for Compliance Sieves</i></li> </ul> <p><b>Included Items:</b></p> <ul style="list-style-type: none"> <li><i>8" Sieve, All Stainless, Full Height, No. 230</i></li> <li><i>Certificate of Conformance to ASTM E11 requirements</i></li> </ul>

			<b>Accessories:</b>
			<i>Sieve Pans nest underneath sieves to collect fines</i>
			<i>Sieve Covers prevent sample loss during agitation</i>
			<i>Verification Services provide NIST traceable documentation of opening sizes</i>
			<i>ASTM E11 Opening Size: No.230 (63µm)</i>
			<i>Sieve Frame Diameter: 8in (203mm)</i>
			<i>Frame Height: Full Height</i>
			<i>Stacked Frame Height: 2-1/8in</i>
			<i>Overall Frame Height: 2-5/8in</i>
			<i>Material: All Stainless Steel</i>
			<i>Backing Cloth Included: No</i>
			<i>Estimated Shipping Weight: 2.0lb (0.91kg)</i>
<b>258</b>	<b>pc</b>	<b>2</b>	<b>Beaker Glass/borosilicate</b>
			<i>600 mL glass beaker</i>
			<i>Short Form, wide mouth with pout</i>
<b>258</b>	<b>pc</b>	<b>6</b>	<b>Beaker, Glass, 100mL</b>
			<i>■100mL capacity, borosilicate glass</i>
<b>260</b>	<b>gal</b>	<b>1</b>	<b>Ethanol, AR, at least 95%v/v, 4L</b>
<b>261</b>	<b>ltr</b>	<b>2</b>	<b>Graduated Cylinder</b>
			<i>10-100 mL Translucent Plastic Graduated Cylinder</i>
<b>262</b>	<b>ltr</b>	<b>2</b>	<b>Graduated Cylinder 10mL (Translucent Plastic)</b>
			<i>1-10 mL graduated cylinder (Translucent Plastic)</i>
<b>263</b>	<b>btl</b>	<b>1</b>	<b>Iodine crystals</b>
			<i>Analytical Grade resublimed, 500g per bottle</i>
<b>264</b>	<b>unit</b>	<b>1</b>	<b>Mini Electric bean grinder</b>
			<i>Material : Stainless steel</i>
			<i>Power : 150W Voltage : 220V/50HZ</i>
			<i>Capacity : 50-400ML about 150G food</i>
			<i>Size : Diameter 10.5cm Height 17cm</i>
<b>265</b>	<b>pc</b>	<b>1</b>	<b>Mortar and Pestle (small)</b>
<b>266</b>	<b>btl</b>	<b>1</b>	<b>Potassium iodide, KI</b>
			<i>■Analytical reagent grade, powder, 500g/bottle</i>
<b>267</b>	<b>btl</b>	<b>1</b>	<b>Potato Amylose (Type III)</b>
			<i>Product Information:</i>
			<i>Material Number / SKU: A0512-5G</i>
			<i>Description:</i>
			<i>Amylose from potato, used as amylase substrate</i>
			<i>Foreign Trade Commodity Code: 39139090</i>
			<i>CAS Number: 9005-82-7</i>
			<i>Packaging Information: 5 g in poly bottle</i>
<b>268</b>	<b>unit</b>	<b>1</b>	<b>High Duty Blender</b>
			<i>-Power – 375-watt motor</i>
			<i>– Speed – 10-speed push button</i>
			<i>– Function – Controlled/pulse blending (buttons 1-3) or continuous blending (buttons 4-10)</i>
			<i>– Durability – Exclusive All-Metal Drive™ system</i>
			<i>– Blade – High performance ice-crushing stainless steel blade</i>

			– Capacity – 5-cup (1.25L) heat-resistant glass jar
			– Warranty – 1 Year Household Warranty
			– Dimensions – 26 x 18 x 32 cm
<b>269</b>	<b>unit</b>	<b>1</b>	<b>Compact Bench Scale</b>
			Battery Life: Up to 1500 Hours
			Calibration: External Digital Calibration Software
			Construction: ABS Housing
			Display Type: Backlit LCD
			Includes: Integrated Level Bubble, Adjustable Feet, Selectable Auto-Off, Selectable Weighing Units, In-Use Cover, and Integrated Carrying Handles for Easy Transportation
			Model: V12P30
			Stabilization Time: ≤ 2 sec.
			Temperature (Metric) Operating: 0°C to 40°C
			Weighing Modes: Gram, Kilogram, Pound, Ounce, Pound/Ounce
			Length (English) Pan: 9.65 in.
			Width (English) Pan: 7.48 in.
			Depth (Metric): 260 mm
			Weight (Metric): 2.5 kg
			Battery Type: 4 D, Sold Separately
			Certifications/Compliance: NSF, USDA-AMS
			Capacity: 30 kg, 60 lb.
			Readability: 0.01 lb. (5 g)
			Material: Stainless Steel (Platform)
			Resolution: 1:6,000 (Pounds)
			Temperature (English) Operating: 32°F to 104°F
			Type: Compact Bench Scale
			Dimensions (L x W x H): 10.6 x 10.2 x 4.8 in. (270 x 260 x 122 mm)
			Length (Metric) Pan: 245 mm
			Width (Metric) Pan: 190 mm
			Weight (English): 5.5 lb.
			Electrical Requirements
			Power Requirements: AC Power Adapter, Included
<b>270</b>	<b>pcs</b>	<b>20</b>	<b>DIAL THERMOMETER</b>
			<i>Dimensions HxWxD: 1" x 5" x 1" (25 x 127 x 25 mm)</i>
			<i>Weight: 0.05 lbs (0.02 kg)</i>
			<i>Temperature Range: 0°F-220°F</i>
			<i>Units: Fahrenheit</i>
			<i>Adapter/Batteries: Analog, No Batteries Required</i>
			<b>FEATURES / BENEFITS</b>
			<i>NSF Certified</i>
			<i>Dishwasher safe</i>
			<i>Shatterproof lens</i>
			<i>Magnified dial</i>
			<i>Protective sheath included</i>
<b>271</b>	<b>unit</b>	<b>10</b>	<b>Flat Plate Weighing Scale, 30KG</b>
			<i>Table Scale, Large, Mechanical Dial Type, Legal for Trade, Anti-Bacterial Powder Coat, Flat Plate</i>

			Capacity: 30 kg
			Graduation / Readability: 0.1 kg
			Type: Mechanical
<b>272</b>	<b>pc</b>	<b>55</b>	<b>MILK PAIL STAINLESS, 5 Liter Capacity</b>
			<i>Ideal for Milk for calves, food or for milk processing.</i>
			<i>Fully Stainless steel food grade bucket.</i>
			<i>Inside and outside high-gloss polished</i>
			<i>Graduation in litres</i>
			<i>Holds 5 litres</i>
<b>273</b>	<b>pcs</b>	<b>50</b>	<b>STAINLESS FUNNEL</b>
			<i>DIM: 16 X 19 CM</i>
			<i>Made of stainless steel, durable and easy to clean</i>
<b>274</b>	<b>can</b>	<b>50</b>	<b>Stainless Steel Milk Canister, 10L capacity</b>
			<i>Material: 304 SS (AISI)</i>
			<i>Grade: AISI</i>
			<i>Capacity: 10L</i>
			<i>Overall Height: 229mm</i>
			<i>Overall Width: 292mm</i>
			<i>Overall Length:229mm</i>
			<i>Thickness:1.2mm</i>
			<i>Suitable: Carrying Milk</i>
			<i>Packing: 1 Pcs</i>
			<i>Weight: 1.4kg</i>
<b>275</b>	<b>pc</b>	<b>10</b>	<b>LABORATORY ALCOHOL LAMP PLASTIC COVER</b>
			<i>Alcohol Burner Lamp</i>
			<i>Capacity: 50ml</i>
			<i>Glass alcohol burner for lab and craft</i>
			<i>Height(mm):118</i>
			<i>Dimension: 6cm x 16cm x 9cm</i>
<b>276</b>	<b>pcs</b>	<b>10</b>	<b>Test tube Clamp/Holder</b>
			<i>6.25 inches long with finger grips</i>
			<i>Holds any size test tube.</i>
<b>277</b>	<b>pc</b>	<b>15</b>	<b>Test Tube Rack 50pcs socket</b>
			<i>Holds 50 test tubes</i>
			<i>Color white</i>
			<i>Material: Plastic</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 Ninety Seven Thousand Six Hundred Fifty Nine and 50/100 Pesos (PhP 3,097,659.50)*;

**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 Ninety Seven Thousand Six Hundred Fifty Nine and 50/100 Pesos (PhP 3,097,659.50)* 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 Forty Eight Thousand Eight Hundred Twenty Nine and 75/100 Pesos (PhP 1,548,829.75)*; **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 6,195,319.00**);

**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 619,531.90**).

**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 all 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) before the deadline (April 23, 2024; 8:30 AM).



**VISAYAS**  
STATE UNIVERSITY

