



**BID BULLETIN 02**

**Date:** 03 April 2024

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

**Location:** VSU Main, Visca, Baybay City, Leyte

Bidders are hereby informed/reminded of the following addendums/amendments/clarifications:

**I. LIST OF REQUIREMENTS**

<b>(1st Envelope) TECHNICAL COMPONENT ENVELOPE</b>	
<i>Legal Documents</i>	
1	PhilGEPS Certificate of Registration (Platinum)
<i>Technical Documents</i>	
2	Statement of All On-Going Government & Private Contracts
3	Statement of Bidder's Single Largest Completed Contract (at least 50% of the ABC or Php <b>3,175,983.50</b> ).
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php <b>3,175,983.50</b> and the largest of which should be at least PhP <b>1,587,991.75</b>
4	Bid Security
5	Technical Specifications
6	SCHEDULE of Requirements/Production and delivery schedule
7	Manpower Requirements
8	After Sales service/parts from acceptance of delivered goods (at least 1 year for equipment and 3 months for supplies)
9	Original Duly Signed Omnibus Sworn Statement
<i>Financial Documents</i>	
10	The Supplier's Audited Financial Statements
11	Net Financial Contracting Capacity (at least Php <b>6,351,967.00</b> )
	Or
	Committed Line of Credit (at least Php <b>635,967.70</b> )
<b>(2<sup>nd</sup> Envelope) FINANCIAL COMPONENT ENVELOPE</b>	
12	Original of duly signed and accomplished Financial Bid Form
13	Original of duly signed and accomplished Price Schedule(s)



**Please take note:**

1. In the **Technical Specifications**, bidders must state either “Comply” or “Not Comply” **against each of the individual parameters of the specifications** per item stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in the **Bidders Bid** and cross-referenced to that evidence. Evidence shall be in the form of **manufacturer’s un-amended sales literature (Data Sheets), unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data, and Brand and Model** 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 Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 3.1(a)(ii) and/or **GCC** Clause 2.1 (a)(ii).

2. Bidders are advised to use the latest GPPB forms for the following documents:

- a) Omnibus Sworn Statement
- b) Performance Securing Declaration (if applicable)
- c) Price Schedule for Goods Offered
- d) Bid Form
- e) Bid Securing Declaration

These forms can be accessed from the GPPB website: <https://www.gppb.gov.ph/downloadables.php>. Documents that are not in its updated/latest format shall be a ground for disqualification of the bidder.

**II. Preparation of Electronic Bid (for bidders who prefer electronic bid submission)**

- 1. **Scan per document** into Portable Document Format (PDF) and should be printable.
- 2. Properly label all scanned documents for prompt identification. Filename of documents, whichever are applicable to the bidder, should be as follows:

Document	Filename (in PDF form)
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/ 8. Production and delivery schedule	Schedule of Requirements
9. Manpower Requirements	Manpower Requirements
10. After Sales service/parts	After Sales
11. Omnibus Sworn Statement	Omnibus Sworn Statement
12. Audited Financial Statements	Audited Financial Statements
13. Net Financial Contracting Capacity	NFCC
14. Committed Line of Credit	CLC
15. Bid Form	Bid Form
16. 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.

### III. Changes in the Bidding Documents

Original	(Amendment)																
<p><b>Section I. Invitation to Bid</b></p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders <i>on 19 March – 08 April until 8:30 AM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The amount of applicable fee will depend on the total ABC of items to be quoted as shown below:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Total ABC of Items to be Quoted (PhP)</th> <th style="text-align: center;">Bid Docs Fee</th> </tr> </thead> <tbody> <tr> <td>1,000,000.00 and below</td> <td style="text-align: center;">1,000.00</td> </tr> <tr> <td>1,000,001.00 to 5,000,000.00</td> <td style="text-align: center;">5,000.00</td> </tr> <tr> <td>Above 5,000,000.00</td> <td style="text-align: center;">10,000.00</td> </tr> </tbody> </table> <p>The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p>	Total ABC of Items to be Quoted (PhP)	Bid Docs Fee	1,000,000.00 and below	1,000.00	1,000,001.00 to 5,000,000.00	5,000.00	Above 5,000,000.00	10,000.00	<p>6. 5. A complete set of Bidding Documents may be acquired by interested Bidders <i>on 19 March – <b>11 April</b> until 8:30 AM</i> from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB. The amount of applicable fee will depend on the total ABC of items to be quoted as shown below:</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: center;">Total ABC of Items to be Quoted (PhP)</th> <th style="text-align: center;">Bid Docs Fee</th> </tr> </thead> <tbody> <tr> <td>1,000,000.00 and below</td> <td style="text-align: center;">1,000.00</td> </tr> <tr> <td>1,000,001.00 to 5,000,000.00</td> <td style="text-align: center;">5,000.00</td> </tr> <tr> <td>Above 5,000,000.00</td> <td style="text-align: center;">10,000.00</td> </tr> </tbody> </table> <p>The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means:</p> <p>The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p>Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to <a href="mailto:jessamine.ecleo@vsu.edu.ph">jessamine.ecleo@vsu.edu.ph</a></p>	Total ABC of Items to be Quoted (PhP)	Bid Docs Fee	1,000,000.00 and below	1,000.00	1,000,001.00 to 5,000,000.00	5,000.00	Above 5,000,000.00	10,000.00
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1,000,000.00 and below	1,000.00																
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Above 5,000,000.00	10,000.00																



<p><b>Section II. Instructions to Bidders</b></p> <p>15. Sealing and Marking of Bids</p>	<p><i>(Additional Instructions)</i></p> <p>Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2.</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>
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**IV. Revised List of Goods and Technical Specifications**

- Some Specifications were added (in red font) and/or deleted (in blue font)
- Some Quantities and Unit Prices (ABC) were changed

Item #	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	0.5M EDTA, <b>atleast 100 ml/btl</b>	btl	1	<b>8,000.00</b>	<b>8,000.00</b>
2	100 ml Type 1, class A borosilicate glass Beaker	pc	30	500.00	15,000.00
3	1000mL Beaker Plastic	pc	3	400.00	1,200.00
	<i>The polypropylene beaker has excellent transparency and the contents can be seen well.</i>				
	<i>Can be autoclaved.</i>				
	<i>Has excellent chemical resistance and durability</i>				
	<i>Specification: With scale, with handle</i>				
	<i>Material: Polypropylene (PP)</i>				
	<i>Type: Beaker with handle</i>				
	<i>Scale: Yes</i>				
	<i>Heat Resistance Temperature (°C): 120</i>				
	<i>Handle: Yes</i>				
4	10x TBE Buffer, <b>atleast 500 ml</b>	btl	1	<b>4,600.00</b>	<b>4,600.00</b>
	<i>biotechnology grade;</i>				
5	125 ml Erlenmeyer flask	pc	78	500.00	39,000.00
6	2,4-dinitrophenylhydrazine	btl	1	12,000.00	12,000.00
	<i>Melting point: 197-200 °C (lit.)</i>				
	<i>Boiling point: 335.43°C (rough estimate)</i>				
	<i>Density 0.843 g/mL at 20 °C</i>				
	<i>refractive index n20/D 1.374</i>				
	<i>Flash point: 14 °C</i>				
	<i>storage temp. 2-8°C</i>				
	<i>solubility 50% sulfuric acid: 10 mg/mL, clear, colorless</i>				
	<i>form crystals</i>				
	<i>pka 12.1(at 25°C)</i>				
	<i>color Red</i>				
	<i>PH Range Yellow (11.0) to brown (12.5)</i>				
	<i>Water Solubility slightly soluble</i>				
	<i>Stability: Stable when wet, but explosive when dry. May be shock sensitive when dry. Highly flammable.</i>				



	<i>Incompatible with strong oxidizing agents.</i>				
	<i>Packaging: 100grams/1 bottle</i>				
7	<b>3 layer Non-woven surgical face mask, at least 50 pcs/box</b>	<b>box</b>	<b>4</b>	<b>200.00</b>	<b>800.00</b>
8	<b>50 ml Type 1, class A borosilicate glass Beaker</b>	<b>pc</b>	<b>30</b>	<b>400.00</b>	<b>12,000.00</b>
9	<b>5M NaCl, at least 250 ml</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<i>biotechnology grade;</i>				
10	<b>95% Ethyl Alcohol, Technical Grade (Gallon)</b>	<b>gal</b>	<b>7</b>	<b>800.00</b>	<b>5,600.00</b>
11	<b>Acetic Acid</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	<i>Grade: ACS grade</i>				
	<i>CAS: 64-19-7</i>				
	<i>Pack Size: 500 mL</i>				
	<i>Form: Liquid</i>				
	<i>Molar Mass: 60.05 g/mol</i>				
	<i>Pack Type: Natural Poly bottle</i>				
	<i>Glacial: 99 - 100 %</i>				
12	<b>Acetone</b>	<b>gal</b>	<b>3</b>	<b>1,600.00</b>	<b>4,800.00</b>
	■ <i>Acetone, Technical Grade</i>				
	■ <i>1gal</i>				
13	<b>Advanced Operator Panel (AOP) for a Variable Speed Controller</b>	<b>unit</b>	<b>1</b>	<b>9,000.00</b>	<b>9,000.00</b>
	<i>Input: 200-240V + 10% - 10% 1Diameter AC 35.5A; 47 - 63 Hz</i>				
	<i>Output: 0-INPUT V 3diameter AC; 13.6A; 0-650 Hz</i>				
	<i>Motor: 3kW</i>				
	<i>Tem range: -10 to +50deg celsius</i>				
	<i>Duty Class II</i>				
	<i>Weight: 4.7kg/10.3lbs'</i>				
	<i>Line filter Class A</i>				
14	<b>Agar Agar (atleast 500g/btl)</b>	<b>btl</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
15	<b>Agarose, molbio grade, 100g/bot</b>	<b>btl</b>	<b>1</b>	<b>7,900.00</b>	<b>7,900.00</b>
16	<b>Alcohol, Denatured</b>	<b>gal</b>	<b>5</b>	<b>600.00</b>	<b>3,000.00</b>
17	<b>Alcohol, Ethyl, 95% (Tech)</b>	<b>liter</b>	<b>5</b>	<b>1,500.00</b>	<b>7,500.00</b>
18	<b>All American Pressure Canner/ Steam Sterilizer (Non Electric)</b>	<b>pc</b>	<b>1</b>	<b>48,875.00</b>	<b>48,875.00</b>
	<i>For a 27.9 Qt Inner Capacity Container Sterilizer:</i>				
	<i>Capacity - (27.9 Qt Inner Container Capacity)</i>				
	<i>Overall Height - 19 inches</i>				
	<i>Bottom Height - 14 1/4 inches</i>				
	<i>Inside Diameter - 15 1/4 inches</i>				
	<i>For a 28 Qt Inner Capacity Container Sterilizer:</i>				
	<i>Inside Depth - 10 1/2 inches</i>				
	<i>Inside Diameter - 14 inches</i>				
	<i>Circumference - 44 1/2 inches</i>				
	<i>Capacity - 28 Quarts</i>				
	<i>Made in the U.S.A.</i>				
	<i>For a 25 Qt Inner Capacity Sterilizer:</i>				
	<i>Includes 2 cooking/canning racks and instruction &amp; recipe book</i>				
	<i>Capacity - 25 Quarts (Liquid), 19 Pint Jars, 7 Quart Jars</i>				



	Inside diameter - 12 5/8 inches				
	Inside Height - 11 7/8 inches				
	Overall Height - 16 3/4 inches				
	*Jar capacities are based on round regular mouth standard Mason jar sizes.				
	<del>Made in the U.S.A.-delete</del>				
	Professional quality, extra heavy duty cast aluminum construction throughout				
	for fast & even heating				
	▣ Stay-cool bakelite top handle				
	▣ Geared steam gauge				
	▣ Equipped with 2 automatic venting features which provide an extra margin of				
	safety (the safety control valve & overpressure plug)				
	▣ Pressure regulator weight with settings of 5, 10 and 15 psi				
	▣ Smooth, easy to clean satin finish				
	▣ Double thickness edges for additional protection on points of heaviest wear				
19	<b>Amber Glass Bottles with Dropper (100ml)</b>	btl	5	150.00	750.00
20	<b>Amber Injection Glass Vials with cover, 2mL</b>	pack	2	3,500.00	7,000.00
	Screw top vial, 2 mL				
	Amber, write-on spot with cover				
	Autoclavable				
	Compatible with Agilent HPLC Sampler				
	Pack of 100 vials				
21	<b>Ammonium Nitrate</b>	kg	2	8,000.00	16,000.00
	▣AR grade; at least 98% purity				
	▣Molecular Wt. 80.043 grams per mol.				
	▣1kg/pack				
22	<b>Ammonium Phosphate Dibasic</b>	btl	1	5,000.00	5,000.00
	▣Analytical Grade				
	▣500 G bottle				
23	<b>a-Naphthalene Acetic Acid (NAA), extra pure, 100g</b>	btl	1	3,800.00	3,800.00
	▣>100 g in poly bottle				
	▣>suitable for plant cell culture				
	▣>BioReagent, ≥95%, crystalline				
24	<b>Anhydrous Sodium Sulfate, AR</b>	btl	1	2,000.00	2,000.00
	Analytical grade				
	Anhydrous				
	Powder form				
	Size: 500g per bottle				
25	<b>Ascorbic acid</b>	btl	2	3,600.00	7,200.00
	Analytical reagent grade, crystalline powder, <i>at least 100 g/btl</i>				
26	<b>Benchtop Multiparameter Meter</b>	set	1	190,000.00	190,000.00
	Inclusions				
	1 Meter				
	1 Glass pH Electrode with built-in temp sensor				
	1 Conductivity Electrode with built-in temp sensor				





	Meter Accessory set				
	Buffer solutions (4, 7, 10) 250 mL each bottle				
	3.33 M KCl reference electrolyte (250 mL)				
	Conductivity Standard Solutions (84 uS/cm, 1413 uS/cm, 12.88 mS/cm, 111.8 mS/cm) 250 mL each bottle				
	Delivery and Installation				
	1 Free PM and Calibration 1 year after the installation				
	Meter Specifications				
	Meter must be dual channel and able to do simultaneous measurements				
	1 channel must be able to measure either pH, Ion, mV, and ORP				
	1 channel must be able to measure either conductivity, salinity, resistivity, and TDS				
	Both channels must display temperature data				
	Meter display must be colored screen to distinguish between parameters				
	Meter display must be touchscreen (or no buttons) and waterproof or chemical-resistant to prevent moisture and chemical damage during analysis				
	Meter display must be covered with a glass panel and protection cover				
	Meter must have an automatic calibration function and automatic buffer recognition				
	Meter software must include electrode status				
	Power Requirement of the equipment is 220V.				
	pH specifications				
	Measurement must be through glass electrode method				
	Measurement range must have a wider range than pH 0.000–14.000				
	Resolution must be up to 0.001 pH				
	Accuracy must be $\pm 0.001$ pH				
	pH calibration must be up to 5 points				
	ORP specifications				
	ORP range must at least be $\pm 1999.9$ mV				
	Resolution must be up to 0.1 mV				
	Accuracy must be up to 0.2 mV				
	Conductivity or EC Specifications				
	0.000 $\mu$ S/cm to 1.999 S/cm				
	Cell constant, k must be either 0.1, 1.0, and 10.0				
	Resolution must be at least 0.5% of full scale				
	Accuracy must be at least $\pm 0.5\%$ of full scale				
	Calibration must be settable to manual or automatic.				
	Calibration must be up to 4 points				
	Salinity Specifications				
	Range must be at least 0.00 to 80.00 ppt				
	Resolution must be up to 0.01 ppt				
	Temperature Specifications				
	Range must be at least $-30.0$ ° C to $130.0$ ° C				
	Resolution must be up to $0.1$ ° C				



27	<b>Benedict's Solution 1000mL</b>	btl	3	2,000.00	6,000.00
	<i>Technical Reagent Grade 1000mL per bottle;</i>				
28	<b>Benzene, 2.5 L</b>	btl	3	7,520.00	22,560.00
29	<b>Benzoic Acid</b>	btl	1	3,000.00	3,000.00
	<i>Benzoic Acid TabletPack size: 500g</i>				
30	<b>Buffer Solution pH 10, 500 mL</b>	btl	1	2,500.00	2,500.00
31	<b>Cadmium AAS Standard Solution</b>	btl	1	4,000.00	4,000.00
	<i>Specifications</i>				
	<i>Appearance (Clarity) Clear</i>				
	<i>Appearance (Colour) Colourless</i>				
	<i>Appearance (Form) Liquid</i>				
	<i>Concentration (Cd)</i>				
	<i>1000 ± 50 mg/Ltr</i>				
	<i>General Information</i>				
	<i>Storage Room Temperature</i>				
	<i>Shelf Life 36 Months</i>				
	<i>IMDG Identification</i>				
	<i>UN No.:3264 , IMCO Class No.:8 , Packing Group:III</i>				
	<i>PACK SIZE: 250mL / bottle</i>				
32	<b>Calcium AAS Standard Solution</b>	btl	1	4,000.00	4,000.00
	<i>Specifications</i>				
	<i>Appearance (Clarity)</i>	<i>Clear</i>			
	<i>Appearance (Colour)</i>	<i>Colourless</i>			
	<i>Appearance (Form)</i>	<i>Liquid</i>			
	<i>Concentration (Ca)</i>	<i>1000 ± 50 mg/Ltr</i>			
	<i>General Information</i>				
	<i>Storage</i>	<i>Room Temperature</i>			
	<i>Shelf Life</i>	<i>36 Months</i>			
	<i>Pack Size</i>	<i>250ml</i>			
33	<b>Calcium Carbide</b>	kg	1	1,000.00	1,000.00
	<i>Calcium carbide (pieces, thickness &lt;10 mm , typically, technical grade, ~80%)</i>				
34	<b>Calcium Chloride (CaCl<sub>2</sub>) suitable for plant cell and tissue culture</b>	btl	3	2,600.00	7,800.00
	<i>dihydrate</i>				
	<i>1.5-2.5mm</i>				
	<i>Molecular Weight: 246.47</i>				
	<i>500grams</i>				
35	<b>Calcium chloride, anhydrous, powder, ≥97%, 100g</b>	btl	1	7,658.00	7,658.00
36	<b>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</b>	kg	1	6,000.00	6,000.00
	<i>Calcium hydroxide (ACS reagent, ≥95.0%) or lime powder</i>				
37	<b>Calcium Nitrate standard for Tissue Culture, Analytical reagent</b>	btl	2	3,100.00	6,200.00
38	<b>Carbon Tetrachloride</b>	btl	2	5,500.00	11,000.00
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
39	<b>Case Cover GARMIN Oregon 650T</b>	pc	2	2,000.00	4,000.00
	<i>Case Cover GARMIN Oregon650T Front Frame With Button Handheld</i>				





<b>40</b>	<b>Casein</b>	<b>pack</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	<i>Food grade casein</i>				
	<i>1kg/pack</i>				
<b>41</b>	<b>Centrifuge tube, 50 ml, sterile</b>	<b>pack</b>	<b>1</b>	<b>1,250.00</b>	<b>1,250.00</b>
	<i>polypropylene, free standing, flat screw cap, 25 pcs/pack</i>				
<b>42</b>	<b>Centrifuge tubes, 15 ml, sterile</b>	<b>pack</b>	<b>1</b>	<b>1,250.00</b>	<b>1,250.00</b>
	<i>polypropylene, flat screw cap, 25 pcs/pack</i>				
<b>43</b>	<b>Chloroform 2.5L</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>44</b>	<b>Chromium AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity)</i>	<i>Clear</i>			
	<i>Appearance (Colour)</i>	<i>Blue</i>			
	<i>Appearance (Form)</i>	<i>Liquid</i>			
	<i>Concentration (Cr)</i>	<i>1000 ± 50 mg/Ltr</i>			
	<i>General Information</i>				
	<i>Storage</i>	<i>Room Temperature</i>			
	<i>Shelf Life</i>	<i>36 Months</i>			
	<i>Pack size</i>	<i>250mL</i>			
<b>45</b>	<b>Cobalt AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity)</i>	<i>Clear</i>			
	<i>Appearance (Colour)</i>	<i>Light pink</i>			
	<i>Appearance (Form)</i>	<i>Liquid</i>			
	<i>Concentration (Co)</i>	<i>1000 ± 50 mg/Ltr</i>			
	<i>General Information</i>				
	<i>Storage</i>	<i>Room Temperature</i>			
	<i>Shelf Life</i>	<i>36 Months</i>			
	<i>Pack Size</i>	<i>250mL</i>			
<b>46</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>47</b>	<b>Condom or Rubber Sheath</b>	<b>pc</b>	<b>10</b>	<b>110.00</b>	<b>1,100.00</b>
	<i>material: Latex rubber</i>				
<b>48</b>	<b>Copper AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	<i>Specifications</i>				
	<i>Appearance (Clarity)</i>	<i>Clear</i>			
	<i>Appearance (Colour)</i>	<i>Blue</i>			
	<i>Appearance (Form)</i>	<i>Liquid</i>			
	<i>Concentration (Cu)</i>	<i>1000 ± 50 mg/Ltr</i>			
	<i>General Information</i>				
	<i>Storage</i>	<i>Room Temperature</i>			
	<i>Shelf Life</i>	<i>36 Months</i>			
	<i>Pack Size</i>	<i>250mL</i>			
<b>49</b>	<b>Copper Acetate, Monohydrate</b>	<b>btl</b>	<b>1</b>	<b>850.00</b>	<b>850.00</b>
	<i>AR, 500 grams</i>				
<b>50</b>	<b>Cyclohexene</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle</i>				
<b>51</b>	<b>Cysteine</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	<i>analytical reagent grade 25g per bottle</i>				



<b>52</b>	<b>D-(+)-Glucose</b>	<b>btl</b>	<b>1</b>	<b>11,750.00</b>	<b>11,750.00</b>
	<i>D-(+)-Glucose- Dextrose</i>				
	<i>≥99.5% (GC)</i>				
	<i>application(s): cell culture   embryo: suitable</i>				
	<i>powder form</i>				
	<i>G6152-1KG</i>				
<b>53</b>	<b>D-(+)-Maltose monohydrate, AR</b>	<b>btl</b>	<b>1</b>	<b>6,500.00</b>	<b>6,500.00</b>
	<i>Analytical Standard</i>				
	<i>HPLC suitable</i>				
	<i>Size: 500 mg per bottle</i>				
<b>54</b>	<b>Dehumidifier for Extra Large Rooms and Basements</b>	<b>pc</b>	<b>1</b>	<b>19,300.00</b>	<b>19,300.00</b>
	<i>Includes: Washable Filter, Built-in Handles and Wheels, Drain Hose Outlet</i>				
	<i>Weight: at most 40 lbs</i>				
	<i>Rated Current: 4.7 Amps</i>				
	<i>Moisture Removal: 70 pints per day</i>				
	<i>Air CFM Range (cubic feet per minute): 165 (Normal) to 188 (Turbo)</i>				
	<i>Removable Water Tank Capacity: at least 1.6 gallons / 6 liters</i>				
	<i>Certifications: UL &amp; Energy Star rated</i>				
	<i>Features: Touch Control Panel; Auto Restart, Shut Off, Defrost; Turbo Mode; Continuous Dehumidifying; 24-hour Timer; Custom Humidity Level from 35% to 85%</i>				
	<i>Spaces between 2500 and 4000 square feet, with room temp from 41°F to 95°F</i>				
	<i>Power: 220/240V</i>				
<b>55</b>	<b>Deionized water (food grade)</b>	<b>gal</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
<b>56</b>	<b>Delicate Task Wiper</b>	<b>pack</b>	<b>4</b>	<b>200.00</b>	<b>800.00</b>
	<i>4.4 x 8.4 inches</i>				
	<i>Low lint and low extractable</i>				
	<i>Absorbs 18 percent more water than other private label wipers</i>				
	<i>Absorbs water 24 percent faster than other private label wipers</i>				
	<i>One at a time dispensing</i>				
	<i>Won't scratch delicate surfaces when wet</i>				
<b>57</b>	<b>Dessicator, Glass</b>	<b>pc</b>	<b>2</b>	<b>14,000.00</b>	<b>28,000.00</b>
	<i>☑ Dessicator, Glass, 300mm (12")</i>				
<b>58</b>	<b>Dichloromethane</b>	<b>btl</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	<i>Analytical reagent grade, 2.5L/bottle</i>				
<b>59</b>	<b>Digital Grain Moisture meter</b>	<b>pc</b>	<b>1</b>	<b>14,000.00</b>	<b>14,000.00</b>
	<i>Application: Paddy Brown Rice, Polished Rice, Barley, Wheat, Naked Barley</i>				
	<i>Measuring Range: Paddy, Baron Rice, Polished Rice: 10-40% Barley Wheat, Naked Barley: 10-35%</i>				
	<i>Accuracy: +-0.5% (10%-20%)</i>				
	<i>Temperature range of Material: 0 to 40 degree Celsius</i>				
	<i>Display Method: Digital Display by L.C.D</i>				
	<i>TEMPERATURE Compensation: Automatic Compensation</i>				
	<i>Exchange method: Direct indication of exchange figure automatically</i>				



	Power Source: Dry Battery 1.5 V(R6) X4pcs.				
	Dimensions (main body): W175XH72XD100(mm)				
	Weight: 480g				
	Accessories: Sample saucerx2 , Hullerx1, Brushx1, Pincettex1, Spoonx1, Casex1, Manualx1				
<b>60</b>	<b>Digital Weighing Scale</b>	<b>pc</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display				
	-Water resistant				
	-FREE adaptor included!High precision strain gauge technology				
	Rapid price amount computing				
	Red LED display				
	Tare / Zero / Add-up / Total display / Clear total				
	Dual-display: weight, unit price, amount				
	Framework structure with pressure-limit protection				
	Overload and low voltage indication				
	AC/DC charging with built-in rechargeable battery				
	Automatic energy saving mode				
	Five different unit price memories				
	Automatic temperature compensationAvailable in 10, 15 and 30kgs				
	Digital scale is the best choice for an all-around scale for your business needs. Not only known for it's durability, power and user-friendly features but also not sacrificing quality for a cheaper price compared to the digital scale in the market. -A truly recommended and guaranteed by many satisfied customers!-Red LED display				
	-Water resistant				
	-FREE adaptor included!High precision strain gauge technology				
	Rapid price amount computing				
	Red LED display				
	Tare / Zero / Add-up / Total display / Clear total				
	Dual-display: weight, unit price, amount				
	Framework structure with pressure-limit protection				
	Overload and low voltage indication				
	AC/DC charging with built-in rechargeable battery				
	Automatic energy saving mode				
	Five different unit price memories				
	Automatic temperature compensation				
<b>61</b>	<b>Dissolved Oxygen Meter</b>	<b>pc</b>	<b>1</b>	<b>11,000.00</b>	<b>11,000.00</b>
	☑Pen-type, portable, easy to carry and durable				
	☑LCD display for simultaneous display of dissolved oxygen and temperature.				
	☑Highly sensitive probe for fast response and accurate measurement				



	☑Unit switching function, Celsius and Fahrenheit				
	☑Removable probe design, easy to change measurement, equipped with three spare probe covers for intimate protection.				
	☑The pen body design is compact, lightweight, easy to carry and easy to measure.				
	☑Measurement Range: 0.00-20.00mg/L				
	☑Basic Measurement Error: 0.4 mg/L				
	☑Dissolved Oxygen Temperature Compensation: 0-40 degrees Celsius				
	☑Power Supply: 4 LR44 1.5V button batteries				
	☑Color: Blue And Gray				
	☑Dissolved Oxygen Meter:140x40x40mm/5.5x1.6x1.6in				
	☑Pen:160x13x13mm/6.3x0.5x0.5in				
	☑Lead Length:2930mm/115.4in				
	☑Probe Length:3090mm/121.7in				
	☑Full Length:3230mm/127.2in				
	☑Weight:223g/7.87oz				
	☑Package Included:				
	◀1 x Host				
	◀3 x Probe Covers				
	◀1 x USB Data Cable				
	◀1 x Portable Cloth Bag				
	◀1 x Color Box				
	◀1 x Factory Certificate				
	◀1 x Instruction Manual				
	◀1 x Dissolved Oxygen Filling Solution				
	◀10 x Reagent A				
	◀10 x Reagent B				
<b>62</b>	<b>DTPA (Diethylenetriaminepentacetic acid), AR, 250g./btl.</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
<b>63</b>	<b>EMS Ethyl Methanesulfonate (C3H8O3S) (25grams)</b>	<b>btl</b>	<b>1</b>	<b>12,000.00</b>	<b>12,000.00</b>
	Molecular weight - 124.2				
	Molarity - 9.7 (neat liquid)				
	Density - 1.202 g/ml (20 °C)				
	99% purity				
<b>64</b>	<b>Ethanol</b>	<b>btl</b>	<b>3</b>	<b>4,000.00</b>	<b>12,000.00</b>
	AR grade, 2.5L, at least 95% v/v				
<b>65</b>	<b>Ethanol Absolute</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	2.5 Liters/ bottle;				
<b>66</b>	<b>Ethanol, absolute, molbio grade, 99.9% 2.5L</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>67</b>	<b>Ethanol/Ethyl Alcohol, 70%, Laboratory Grade, 3.8 L</b>	<b>gal</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	Ethanol, 70%, Laboratory Grade, 3.8 L				
	Synonym: Ethyl alcohol				
	Formula: CH <sub>3</sub> CH <sub>2</sub> OH				
	Formula Wt: 46.07				
	CAS: 64-17-5				
	Notes: Completely denatured; green chemistry substitute for methanol				
<b>68</b>	<b>Ethyl Alcohol (95%)</b>	<b>canister</b>	<b>3</b>	<b>4,000.00</b>	<b>12,000.00</b>
	☑Container size: Plastic waterjug (20L)				



69	<b>Ethyl Alcohol, Pure 95%, atleast 20L/carboy</b>	<b>carboy</b>	<b>1</b>	<b>15,300.00</b>	<b>15,300.00</b>
70	<b>Filter Paper, 12.5 cm. Ashless #42 or equivalent</b>	<b>box</b>	<b>11</b>	<b>2,220.00</b>	<b>24,420.00</b>
	☐Pore size:2.5um				
	☐at least 100 pcs/box				
71	<b>Flowatch meter</b>	<b>set</b>	<b>1</b>	<b>40,000.00</b>	<b>40,000.00</b>
	Accuracy: ±2% fluid speed; ±3% air velocity; Temperature, ±1°F (±0.2°C). Range: Fluid Speed, 0.2 to 40 mph (0.1 to 18 M/Sec) depending on impeller; Temperature, -58°F to 212°F (-50°C to 100°C). Resolution: 0.3 km/h; 0.2 mph; 0.2 knots; 0.1 M/Sec. Temperature Modes: Minimum, maximum, current temperature, wind chill factor. Operating Modes: Current, maximum and average fluid speed. Power: 2 AA Batteries (included). Dimensions: Display, 5.25" x 2.25" x 2.5"; Case, 25" x 13" x 3"				
72	<b>Fructose</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	Analytical Reagent Grade, 500g per bottle;				
73	<b>Garmin Oregon 650t 3-Inch Handheld GPS</b>	<b>unit</b>	<b>1</b>	<b>32,000.00</b>	<b>32,000.00</b>
	Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Digital Camera				
	Garmin Oregon 650t 3-Inch Handheld GPS with 8MP Features				
	3-Inch sunlight-readable, touchscreen display with multi-touch capability				
	Dual-band GPS/GLONASS satellite positioning				
	Sensors (3-axis compass, accelerometer, barometric altimeter)				
	ANT or Bluetooth technology -wirelessly share routes, tracks, waypoints, geocaches, custom maps and photos between units Dual orientation - auto switching between landscape or portrait views				
	Dual battery system -2 AA batteries or NiMH battery pack charged by the Oregon (battery pack included with 650/650t; optional with 600/600t) 8MP autofocus camera (650, 650t only) with LED flash/torch and digital zoom				
	About Garmin Oregon 650t 3-Inch Handheld GPS With 8MP				
	From the moment you cradle the 650t in your hand, you're ready to enter into a bold new world of Garmin GPS mapping and positioning. With high-sensitivity GPS and GLONASS satellite tracking (more satellites mean faster fixes, even in challenging environments), preloaded TOPO U.S. 100K maps, worldwide basemap with shaded relief and a faster processor, you don't just look at maps, you interact with them. Zoom in, pan out and rotate using multi-touch. The touchscreen even is compatible with many gloves. The reflective display technology boosts touchscreen brightness so much that maps and displays are as vivid in full bright sunlight as they are in shade. And, mark memories with an 8 megapixel autofocus camera with digital zoom and automatic flash/torch, plus customizable buttons for 1-touch image capture and waypoint marking. Quality Photos Now you don't have to take an additional camera with you to take quality photos. Oregon 650t's built in 8 megapixel autofocus digit				
74	<b>GelRed Nucleic Acid Gel Stain</b>	<b>tube</b>	<b>1</b>	<b>8,000.00</b>	<b>8,000.00</b>
	Volume: 5 ml/tube				
	Catalog No.: 41003 or 41003-1				



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





<b>80</b>	<b>GPS Garmin eTrex 10</b>	<b>pc</b>	<b>1</b>	<b>7,000.00</b>	<b>7,000.00</b>
	<i>Display</i> <i>Display diagonal</i> 5.59 cm (2.2") <i>Touchscreen</i> No <i>Widescreen</i> No <i>Display resolution</i> 128 x 160 pixels <i>Display size (HxV) (imperial)</i> 43.2 x 35.6 mm (1.7 x 1.4") <i>Weight &amp; dimensions</i> <i>Weight</i> 141.7 g <i>Width</i> 54 mm <i>Depth</i> 33 mm <i>Height</i> 103 mm <i>Power</i> <i>Battery technology</i> Nickel-Metal Hydride (NiMH) <i>Battery type</i> AA <i>Battery life (max)</i> 25 h <i>Number of batteries supported</i> 2 <i>Navigation</i> <i>Waypoints</i> Yes <i>Number of waypoints</i> 1000 <i>Routes quantity</i> 50 <i>Tracks quantity</i> 100 <i>Tracklog</i> Yes <i>Area calculation</i> Yes <i>Outdoor (hiking, trekking)</i> Yes <i>Geocaching (GPS stash hunt)</i> Yes <i>Design</i> <i>Form factor</i> Handheld <i>Water-resistant</i> Yes <i>Sun &amp; moon information</i> Yes <i>Hunt/fish calendar</i> Yes <i>Tide tables</i> Yes				
<b>81</b>	<b>Hexane 2.5L</b>	<b>btl</b>	<b>2</b>	<b>2,500.00</b>	<b>5,000.00</b>
	<i>Analytical Reagent Grade 2.5L per bottle;</i>				
<b>82</b>	<b>High Precision Stainless Steel Digital Vernier Caliper</b>	<b>pc</b>	<b>4</b>	<b>4,000.00</b>	<b>16,000.00</b>
	<i>6 inches; 0.01-0.025 mm accuracy;</i>				
<b>83</b>	<b>Histidine</b>	<b>btl</b>	<b>1</b>	<b>2,000.00</b>	<b>2,000.00</b>
	<i>Analytical Reagent Grade 25g per bottle;</i>				
<b>84</b>	<b>Holder scalpel # 4</b>	<b>pc</b>	<b>4</b>	<b>500.00</b>	<b>2,000.00</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>85</b>	<b>Hydrochloric acid, HCl</b>	<b>btl</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	<i>Analytical reagent grade, concentrated, 2.5L/bottle;</i>				
<b>86</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>87</b>	<b>Inspection Dissecting Trinocular Zoom Stereo Microscope</b>	<b>unit</b>	<b>2</b>	<b>20,000.00</b>	<b>40,000.00</b>
	<i>Microscope + 144-LED Light</i>				
	<i>7X-45X Super widefield zoom magnification power with crystal clear images</i>				
	<i>1-1/4" (33mm) super widefield view and 4" (100mm) working</i>				



	distance				
	144-LED ring light with a compact design and dimmer				
	Sturdy all-metal pillar stand				
	The trinocular port uses the third port for the camera capabilities, giving you the remaining two ports to view your specimen				
	This is a trinocular stereo microscope with a 144-LED compact ring light with a built-in dimmer. The microscope has a super widefield optical system that provides a large zoom magnification power (6.5:1) and a large working distance (4", 100mm). The trinocular port uses the third port for camera capabilities, or a third party to view as well, giving you the remaining two ports to view your specimen. The 144-LED ring light has a compact design with a built-in dimmer, providing cool, even and bright LED illumination. This microscopy system is an ideal instrument for manufacturing engineers, lab technicians, gemologists, circuit board inspectors, and anyone in electronic and semiconductor industries. It is also the right microscope for biological laboratory applications that require low heat release.				
	Features:				
	A perfect stereo inspection microscope with a 144-LED compact ring light and built-in dimmer				
	Variable, cool, even and bright 144-LED ring illumination				
	7X-45X super wide zoom magnification power				
	4" (100mm) extremely large working distance				
	High resolution with great flatness and contrast, giving sharp and clear images				
	Trinocular head with 45-degree inclined 360-degree swiveling eye tubes				
	The trinocular port enables the easy use of camera capabilities				
	30mm super widefield high-eyepoint eyepieces with 20 mm field of view				
	Sharp stereo erect images with a wide field of view				
	Crystal clear, original true color microscope images				
	Dual eye tubes with adjustable diopters				
	Sturdy all-metal table stand				
	Accurate alignment reduces eye strain for longer periods of viewing				
	Full optical glass elements				
	Precise ground glass lenses				
	Full metal chrome-plated mechanical components				
	Adjustable interpupillary distance				
	Rubber eyeguards included				
	Manufactured under ISO 9001 quality control standard				
	Five (5) year manufacturer warranty for microscope				
	Specifications:				
	Head: 360 degree rotatable 45 degree inclined trinocular				
	Eyepiece: 30mm super widefield high-eyepoint WH10X/20MM				
	Zoom Range: 0.7X-4.5X				
	Diopter Adjustment: +/- 5dp				



	Interpupillary Distance: 2-3/16" - 2-15/16"(55-75mm)				
	Working Distance: 4" (100mm)				
	Widefield View: 1-1/4" (33mm) super widefield				
	Illumination: 144-LED compact ring light				
	Power Input: 110-240V, 50-60HZ, automatic switching				
	Stand: 10" x 7-7/8" x 10.75" (254 x 200 x 275mm)				
	Round Plate: 3-3/4" (95mm) in diameter				
	Accessories: a pair of eye-guards				
	Packing List:				
	One Trinocular Stereo Zoom Head				
	One Pair of Super Widefield 10X Eyepieces				
	One 144-LED Compact Ring Light				
	One Pillar Table Stand				
	One Focusing Rack				
	One Round Plastic Plate				
	One Pair of Eye-Guards				
	One Pair of Clips				
	One Dust Cover				
	User's Manual Download				
<b>88</b>	<b>Iodine crystals</b>	<b>btl</b>	<b>4</b>	<b>2,500.00</b>	<b>10,000.00</b>
	Analytical Grade resublimed, 500g per bottle;				
<b>89</b>	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
<b>90</b>	<b>Iron AAS Standard Solution in 0.5N HNO3</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Colourless				
	Appearance (Form) Liquid				
	Concentration (Fe) 1000 ± 50 mg/Ltr				
	General Information				
	Storage Room Temperature				
	Shelf Life 36 Months				
	Pack Size 250ml				
<b>91</b>	<b>Isopropanol</b>	<b>btl</b>	<b>1</b>	<b>8,000.00</b>	<b>8,000.00</b>
	Molecular grade/DNA Extraction				
	In 2.5 L Amber bottle				
<b>92</b>	<b>Laboratory Weighing Boats</b>	<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
	☐Plastic, 100 mL				
	☐at least 100 pcs. pack				
<b>93</b>	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	☐Suitable for manual, ultrasonic, and machine washing				
	☐Completely biodegradable				
	☐Free of phosphate, chlorine, enzyme, and EDTA				
	☐Contains anionic and cationic surfactants				
	☐5 liters per bottle				
<b>94</b>	<b>Lactose</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	AR. 500 grams;				



<b>95</b>	<b>L-Alanine</b>	<b>btl</b>	<b>1</b>	<b>4,800.00</b>	<b>4,800.00</b>
	Specification				
	Packaging: 25 grams/ bottle				
	Melting point: 314.5 °C				
	alpha 14.5 ° (c=10,6N HCl,dry sub.)				
	Boiling point: 212.9±23.0 °C(Predicted)				
	Density 1,432 g/cm3				
	refractive index 1.4650 (estimate)				
	FEMA 3818   DL-ALANINE				
	storage temp. 2-8°C				
	solubility H2O: 100 mg/mL				
	form powder				
	pka 2.34(at 25 °C)				
	color White to almost white				
	PH 5.5-6.5 (100g/l, H2O, 20 °C)				
	Odor odorless				
	Odor Type odorless				
	optical activity $[\alpha]_{20/D} +14.0 \pm 1^\circ$ , c = 5% in 5 M HCl				
	Water Solubility 166.5 g/L (25 °C)				
	$\lambda_{max}$ $\lambda$ : 260 nm Amax: ≤0.03				
	$\lambda$ : 280 nm Amax: ≤0.02				
	Stability: Stable. Incompatible with strong oxidizing agents.				
	PAckaging : 25grams/ bottle				
<b>96</b>	<b>Lead AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Colourless				
	Appearance (Form) Liquid				
	Concentration (Pb) 1000 ± 50 mg/Ltr				
	General Information				
	Storage Room Temperature				
	Shelf Life 36 Months				
	Pack Size 250mL				
<b>97</b>	<b>Lead Acetate</b>	<b>btl</b>	<b>1</b>	<b>16,000.00</b>	<b>16,000.00</b>
	Specifications:				
	Melting point: 75 °C (dec.)(lit.)				
	Boiling point: decomposes at >280 °C [KIR78]				
	Density 3.3 g/cm3				
	vapor pressure 15.7hPa at 25 °C				
	storage temp. 2-8°C				
	solubility DMSO (Slightly), Methanol (Slightly)				
	form powder				
	color Clear colorless				
	Water Solubility g/100g H2O: 19.7 (0°C), 55.2 (25°C); equilibrium solid phase, Pb(CH3COO)2 ·3H2O [KRU93]; g/100mL H2O: 44.3 (20°C), 221 (50°C) [KIR78]				
	$\lambda_{max}$ 260nm(H2O)(lit.)				



	Solubility Product Constant (Ksp)      pKsp: 2.75				
	Packaging: 5g/1 bottle				
<b>98</b>	<b>Linoleic Acid</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	Specification				
	Packaging:                    5mL/ bottle				
	Grade:                            analytical grade				
	Melting point:                -5 °C (lit.)				
	Boiling point:                 229-230 °C/16 mmHg (lit.)				
	Density                            0.902 g/mL at 25 °C (lit.)				
	refractive index                n <sub>20</sub> /D 1.466(lit.)				
	FEMA                                3380   9,12-OCTADECADIENOIC ACID (48%) AND 9,12,15-OCTADECATRIENOIC ACID (52%)				
	Flash point:                    >230 °F				
	storage temp.                 Store below +30°C.				
	solubility                         NaOH: soluble1M				
	pka                                 4.77(at 25 °C)				
	form                                liquid				
	color                                Clear yellow				
	Odor                                faint fatty				
	Water Solubility                INSOLUBLE				
	FreezingPoint                 -5 °C				
	Sensitive                        Air Sensitive				
	λ <sub>max</sub> 270nm(H <sub>2</sub> O)(lit.)				
	Dielectric constant            2.6 (0 °C)				
	Stability:                        Stable, but air and light sensitive. Combustible. Incompatible with strong oxidizing agents.				
	Analytical Standard				
<b>99</b>	<b>Litmus Paper (Blue)</b>	<b>Vial</b>	<b>2</b>	<b>600.00</b>	<b>1,200.00</b>
	Blue Litmus Test Paper				
	Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH <7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower.				
	Strip Quantity: 100 strips				
	Other: Additional sheet sizes available upon request				
	Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]				
	Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]				
	Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)				
	Weight: 0.02 lbs [9 g] (single vial)				



	Other: Stored in a pocket-sized, lightweight vial.				
	Shelf-Life: 3 Years Minimum				
100	<b>Loading Dye for Electrophoresis</b>	Vial	1	6,600.00	6,600.00
	Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL				
101	<b>Magnesium chloride, MgCl<sub>2</sub></b>	btl	1	3,000.00	3,000.00
	☐1kg per bottle				
	☐colorless crystalline solid				
	☐Properties:				
	◀Quality Level: 300				
	◀Grade: anhydrous				
	◀Assay: ≥98%				
	◀Form: powder				
	◀Impurities: ≤0.5% Insolubles				
	◀bp: 1412 °C/1 atm (lit.)				
	◀mp: 714 °C (lit.)				
	◀Density: 2.32 g/mL at 25 °C (lit.)				
102	<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
	☐1kg per bottle				
	☐colorless crystalline solid				
	☐Properties:				
	◀Quality Level: 300				
	◀Grade: anhydrous				
	◀Assay: ≥98%				
	◀Form: powder				
	◀Impurities: ≤0.5% Insolubles				
	◀bp: 1412 °C/1 atm (lit.)				
	◀mp: 714 °C (lit.)				
	◀Density: 2.32 g/mL at 25 °C (lit.)				
103	<b>Manganese AAS Standard Solution</b>	btl	1	3,500.00	3,500.00
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Colourless				
	Appearance (Form) Liquid				
	Concentration (Mn) 1000 ± 50 mg/ Ltr				
	General Information				
	Storage				
	Room Temperature				
	Shelf Life				
	36 Months				
	Pack Size: 250ml				
104	<b>Masking tape, autoclavable, for laboratory use</b>	roll	15	450.00	6,750.00
	1" wide x 55m length;				
105	<b>Microcapillary tube</b>	btl	3	240.00	720.00
	diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes				
106	<b>Microscope Slide Box</b>	pc	5	300.00	1,500.00





	capacity: holds up to 25 microscope slides				
	dimension:9.4cm*8.2cm*3.2cm				
	weight:56g				
	material: plastic				
	color: white				
<b>107</b>	<b>Mini Light Meter</b>	<b>pc</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	200,000 LUX Digital Luxmeter Luminance Lux Fc Test				
	Max-Min Illuminometers				
	Illuminance Measurement: 0 to 199,900				
	Lux 0 to 18,500 Fc				
	Battery: 3x 1.5V (AAA)				
	Power: 0.45W				
	Handheld				
	Data Hold				
	LCD Backlight				
	Auto power off				
	Overload and low battery indicator				
<b>108</b>	<b>Mortar and Pestle, Heavy Duty</b>	<b>unit</b>	<b>1</b>	<b>850.00</b>	<b>850.00</b>
	☑Mortars with spout				
	☑Material: Porcelain for both mortar and pestle				
	☑Inside grinding surface unglazed				
	☑Capacity: 145 mL, 90 x 70 mm				
	☑Heat and cold resistant				
<b>109</b>	<b>Munsell Soil Color Charts</b>	<b>pc</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
<b>110</b>	<b>Myo-inositol suitable for plant cell and tissue culture (100gms)</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
<b>111</b>	<b>Nickel AAS Standard Solution</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications				
	Appearance (Clarity) Clear				
	Appearance (Colour) Light blue				
	Appearance (Form) Liquid				
	Concentration (Ni) 1000 ± 50 mg/Ltr				
	General Information				
	Storage Room Temperature				
	Shelf Life 36 Months				
	Pack Size 250mL				
<b>112</b>	<b>Ninhydrin (1,2,3 -Indanetrione monohydrate), at least 25g</b>	<b>btl</b>	<b>2</b>	<b>2,000.00</b>	<b>4,000.00</b>
	☑CAS 485-47-2				
	☑White solid				
	☑Analytical Grade				
<b>113</b>	<b>Oleic Acid</b>	<b>btl</b>	<b>1</b>	<b>3,500.00</b>	<b>3,500.00</b>
	Packing: 25mL/ 1 bottle				
	Grade: Analytical Grade				
	Melting point :13-14 °C(lit.)				
	Boiling point :360 °C				
	Density :0.89 g/mL at 25 °C(lit.)				
	vapor density :1.03 (vs air)				
	vapor pressure :52 mm Hg ( 37 °C)				



	refractive index :n20/D 1.377				
	FEMA :2815   OLEIC ACID				
	Flash point :133 °F				
	storage temp. :-20°C				
	solubility :Miscible with ethanol, ether, acetone, chloroform, dimethyl formamide and dimethyl sulfoxide.				
	form :Liquid				
	pka :pKa 5.35(H2O,t =25) (Uncertain)				
	Specific Gravity :0.892 (20/4 °C)				
	color :Colorless to pale yellow				
	Odor :Peculiar Lard-Like				
	Odor Type :fatty				
	Water Solubility :negligible				
	Sensitive :Air Sensitive				
	Hydrophilic-Lipophilic Balance (HLB) :1				
	Dielectric constant :2.5 (20 °C)				
	Stability :Stable. Combustible. Incompatible with strong oxidizing agents, aluminium.				
	Technical grade, 90%				
<b>114</b>	<b>Pasteur pipette</b>	<b>pc</b>	<b>50</b>	<b>20.00</b>	<b>1,000.00</b>
	Specifications				
	230mm Overall Length, 108mm Tip Length, 120 mm Body Length,				
	Type 1 Clear Glass				
	Non-sterile				
	Max dispensing volume : 2mL				
	No graduations				
<b>115</b>	<b>Petroleum Ether, AR, atleast 2.5L/btl</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>116</b>	<b>pH Meter pen type</b>	<b>pc</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	☑0.1 pH resolution				
	☑water-resistant/proof				
<b>117</b>	<b>pH-indicator paper pH 1 - 14 Universal indicator</b>	<b>pack</b>	<b>2</b>	<b>1,750.00</b>	<b>3,500.00</b>
	General description				
	Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14				
	<i>pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.-delete</i>				
	PROPERTIES				
	Quality Level-delete 100 strips/pack				
	feature non-bleeding: no				
	graduations and accuracy measuring range accuracy: 1 pH unit				



	roll L	4.8 m , with color scale				
	pH range	1-14				
	detection method	colorimetric				
	storage temp.	15-25°C				
<b>118</b>	<b>Phloroglucinol, 100g</b>		<b>btl</b>	<b>1</b>	<b>13,265.00</b>	<b>13,265.00</b>
<b>119</b>	<b>Pipette tips, refill, 0.1-10 uL, 1000pcs/pack, short, clear</b>		<b>pack</b>	<b>1</b>	<b>1,000.00</b>	<b>1,000.00</b>
<b>120</b>	<b>Pipette tips, refill, 2.0-200.0 uL, 1000pcs/pack, yellow or clear</b>		<b>pack</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
<b>121</b>	<b>Pipette tips,refill, 100-1000 uL, 1000pcs/pack, blue or clear</b>		<b>pack</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
<b>122</b>	<b>Portable pH Meter</b>		<b>pc</b>	<b>1</b>	<b>24,605.00</b>	<b>24,605.00</b>
	pH Range: -2.00 to 16.00 pH					
	pH Resolution:0.01 pH					
	pH Accuracy: ±0.01 pH					
	pH Calibration: automatic, one or two-point with five memorized buffer values (pH 4.01, 6.86, 7.01, 9.18, 10.01)					
	mV Range: ±699.9 mV; ±1999 mV					
	mV Resolution: 0.1 mV; 1 mV					
	mV Accuracy: ±0.2 mV; ±1 mV					
	Temperature Range: -20.0 to 120.0 °C, -4.0 to 248.0 °F					
	Temperature Resolution: 0.1 °C, 0.1 °F					
	Temperature Accuracy: ±0.4°C; ±0.8°F					
	Temperature Compensation: manual or automatic from -20.0 to 120.0°C (-4.0 to 248.0°F)					
	Slope Calibration: from 80 to 108% / ±1 pH					
	pH Electrode: HI1230B PEI body pH electrode with BNC connector and 1 m (3.3') cable					
	Electrode/Probe: HI7662 stainless steel temperature probe with 1 m (3.3') cable (included)					
	Input Impedance: 10 <sup>12</sup> Ohms					
	Battery Type / Life: 1.5V (3) AAA / approximately 200 hours of continuous use					
	Auto-off: after 20 minutes of non-use (can be disabled)					
	Environment: 0 to 50°C (32 to 122°F); RH max 100%					
	Dimensions: 185 x 72 x 36 mm (7.3 x 2.8 x 1.4")					
	Weight: 300 g (10.6 oz.)					
	Ordering Information: Both supplied with HI1230B pH electrode, HI7662 temperature probe, HI70004 pH 4.01 buffer solution sachet (20 mL),HI70007 pH 7.01 buffer sachet (20 mL),100 mL plastic beaker, 1.5V AAA batteries (3),instructions, and hard carrying case.					
<b>123</b>	<b>Potassium AAS Standard Solution</b>		<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Specifications					
	Appearance (Clarity)	Clear				
	Appearance (Colour)	Colourless				
	Appearance (Form)	Liquid				
	Concentration (K)	1000 ± 50 mg/Ltr				
	General Information					
	Storage	Room Temperature				
	Shelf Life	36 Months				
	Pack Size	250mL				



124	<b>Potassium antimony tartrate</b> <i>Analytical reagent grade, 500g/bottle;</i>	btl	1	3,800.00	3,800.00
125	<b>Potassium Bromide</b> ☐Anhydrous ☐Lab grade/ Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles <i>atleast 500g</i>	btl	2	2,066.00	4,132.00
126	<b>Potassium chloride (KCl) solution, 500g/btl</b> ☐Anhydrous ☐Lab grade/ Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles	btl	1	5,090.00	5,090.00
127	<b>Potassium Chloride 500g</b> ☐Chemical must be plant tissue culture tested for at least 20 years ☐ISO complaint ☐ACS REAG ☐PH EUR ☐meets USP Standards ☐Bioreagent suitable for cell culture	btl	1	2,000.00	2,000.00
128	<b>Potassium Chloride, AR, 1000g</b>	btl	2	2,500.00	5,000.00
129	<b>Potassium iodide, KI</b> ☐Analytical reagent grade, powder, 500g/bottle	btl	2	7,000.00	14,000.00
130	<b>Potassium Nitrate</b> ☐AR grade ☐Formula: KNO3 ☐Molar wt: 101.1032 g/mo ☐1kg/pack	kg	3	8,000.00	24,000.00
131	<b>Potassium Phosphate (KH2PO4) suitable for plant cell and tissue culture</b> 500 grams	btl	2	2,500.00	5,000.00
132	<b>Red Litmus Test Paper</b> <i>Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH &gt;7).</i> Strip Quantity: 100 strips Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)] Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)] Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box) Weight: 0.02 lbs [9 g] (single vial) Other: Stored in a pocket-sized, lightweight vial. Shelf-Life: 3 Years Minimum	Vial	2	600.00	1,200.00
133	<b>Relative Humidity meter</b> Product Specifications	set	1	35,000.00	35,000.00



	Weight 100-120 Grams (g)				
	Usage Temperature & Humidity Meter				
	Accuracy : +-2.0%rh				
	Product Type Humidity Meter				
	Display Type Analog And Digital				
	Color Black and Grey				
	Material Stainless Steel				
	Product Description				
	Temperature & Rh Meter				
	TEMPERATURE / HUMIDITY TRANSMITTER				
	ER WITH RS-485 INTERFACE (MODEL HTX-3000)				
	Microcontroller based design.				
	Input for T and %RH from Rotronic make Hygroclip S3				
	Isolated 4-20mA proportional and linearized for both T and RH.				
	MODBUS RTU serial interface.				
	4-20mA retransmission output for both T and RH.				
	Bright red LED display.				
	IP 65 ABS plastic enclosure.				
	Operates on 12 to 36VDC.				
<b>134</b>	<b>RNAse A</b>	<b>vial</b>	<b>1</b>	<b>28,200.00</b>	<b>28,200.00</b>
	certified free of contaminating DNases, RNases, phosphatases, and nickases for improved sample security				
	Catalog No.: PC0713-500mg				
	Pack size: 500 mg/vial				
	Appearance: White lyophilized powder; a chromatographically purified, lyophilized powder				
	Molecular mass: 13.7 kDA (Amino Acid Sequence)				
	Extinction coefficient: E 1% = 7.1% (280 nm)				
	Isoelectric point: pI: 9.6				
	Optimum temperature: 60°C				
	Optimum pH: 7.5				
	Inhibitors: Ribonuclease inhibitor				
	Activity: (Kunitz): ≥ 60 units/mg protein				
<b>135</b>	<b>Scalpel Blade, at least box of 50's</b>	<b>box</b>	<b>12</b>	<b>280.00</b>	<b>3,360.00</b>
	■Stainless steel				
<b>136</b>	<b>Silica Gel Desiccant</b>	<b>pack</b>	<b>30</b>	<b>200.00</b>	<b>6,000.00</b>
	* Blue Beads * 500 grams/pack;				
<b>137</b>	<b>Silver Nitrate, AgNO3</b>	<b>btl</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	Analytical reagent grade, 100g/bottle;				
<b>138</b>	<b>Smart Dissolved Oxygen Meter</b>	<b>set</b>	<b>1</b>	<b>15,000.00</b>	<b>15,000.00</b>
	Specifications:				
	O2 Range 0.0 to 19.9 mg/l				
	O2 Resolution 0.1 mg/l				
	O2 Accuracy ±1.5% Full scale				
	Calibration manual on 2 points (zero and slope)				
	Temperature Compensation automatic, from 0 to 30°C				
	Probe MA840 (included)				
	Environment 0 to 50°C/ 32 to 122°F; max RH 95%				



	Battery-operated				
139	<b>Sodium Acetate (NaOAc)</b>	btl	1	4,000.00	4,000.00
	500g/bottle				
	Purity % - 99%				
	Grade Standard - Lab Grade				
140	<b>Sodium Bicarbonate</b>	btl	3	1,000.00	3,000.00
	☑Sodium Bicarbonate Powder				
	◀USP Pharmaceutical Grade				
	◀CAS: 13-34799				
	◀HIGHEST QUALITY				
	◀Aluminum Free				
	◀1-kg bottle				
141	<b>Sodium Chloride</b>	btl	1	2,000.00	2,000.00
	Analytical Reagent Grade 500g per bottle				
142	<b>Sodium chlorite, technical grade 80%, 100g</b>	btl	1	6,886.00	6,886.00
143	<b>Sodium Hydroxide, AR 500G</b>	btl	7	1,200.00	8,400.00
	☑500 g/bottle, AR, Pellets;				
144	<b>Sodium Hydroxide, Technical Grade, 1KG, Pellets</b>	btl	5	1,000.00	5,000.00
	☑Technical grade, pellets, 1 kg;				
145	<b>Soil Dispersion Mixer for Hydrometer Analysis</b>	unit	1	49,000.00	49,000.00
	Motor: 1/3hp				
	Revolutions per minute: 13,000, 16,000, 18,000rpm speeds				
	Electrical: 220-240V/50-60Hz, 1.3Amps				
	Product Dimensions: 6.5x6.75x20.5in (165x171x521mm) WxDxH				
	Estimated Shipping Weight: 17.0lb (7.71kg)				
146	<b>Soil DNA extraction kit, 50 preps</b>	kit	1	45,072.00	45,072.00
	isolates total DNA from diverse soil types; silica membrane technology; handling through centrifugation; sample material used: sediment, sludge, soil				
	Item No.: 740780.50				
	• Parameter: NucleoSpin® Soil				
	• Selling unit: 50 preps				
	• Kit Components: Lysis buffer SL1 (60 mL), Lysis buffer SL2 (60 mL), Lysis buffer SL3 (10 mL), Enhancer SX (10 mL), Binding buffer SB (60 mL),				
	Wash buffer SW1 (30 mL), Wash buffer SW2 (Concentrate)* (25 mL), Elution buffer SE** (13 mL), MN Bead Tubes Type A (50),				
	NucleoSpin Inhibitor Removal Columns (red rings) (50),				
	NucleoSpin Soil Columns (green rings) (50), Collection Tubes (2 mL) (50), Collection Tubes (2 mL, lid) (50), User manual (1)				
	• Format: Mini spin columns				
	• Sample: < 500 mg of soil or sediment				
	• Yield: 2-10 µg				
	• Elution volume: 30-100 µl				
	• Binding capacity: 50 µg				
	• Use: for research use only				





147	<b>stearic acid, technical grade</b>	kg	1	140.00	140.00
148	<b>Stirring Hot Plate (220-240/50-60Hz)</b>	pc	1	49,000.00	49,000.00
	Temperature Range: 30°–540°C (86°–1,004°F)				
	Revolutions per Minute: 50–1,500rpm				
	Weight Limit: 25lb (11.3kg)				
	Display: LED display				
	Material: Top Plate: Ceramic				
	Electrical: MA-1827: 100-120V / 50-60Hz, 12 Amps, 1,440 Watts, 1 Phase				
	MA-1827F: 220-240V / 50-60Hz, 4.4 Amps, 1,056 Watts, 1 Phase				
	Platform Size: 7.25 x 7.25in (184.2 x 184.2mm) WxD				
	Product Dimensions: 8.2 x 14.2 x 4.1in (208.3 x 361 x 104.1mm), WxDxH				
	Estimated Shipping Weight: 11.0lb (4.99kg)				
149	<b>Sucrose</b>	btl	3	1,500.00	4,500.00
	Analytical Reagent Grade 500g per bottle				
150	<b>Sulfuric Acid - 95-98%</b>	btl	4	5,000.00	20,000.00
	☑Free from suspended or insoluble matter				
	☑Nominally 95-98% H <sub>2</sub> SO <sub>4</sub>				
	☑1 bottle contains 2.5L				
151	<b>Tertiary Butyl Alcohol (TBA), Technical, 1L/btl</b>	btl	2	700.00	1,400.00
	tert-Butanol, synthesis grade				
	(CH <sub>3</sub> ) <sub>3</sub> COH				
152	<b>Test Tube, Borosilicate Glass, Rimless, 20 x 150 mm</b>	pc	100	100.00	10,000.00
153	<b>Thermohygrometer, Digital, Indoor, Touch Panel</b>	unit	4	1,500.00	6,000.00
	Temp. Range : -20 °C - 70 °C (14 °F-158 °F)				
	Temp. Acc.: ±1 °C/±2 °F				
	Humidity Range : 20%-95%				
	Humidity Acc. : ±5%				
	Humidity Resolution: 0.1 °C				
	10s Refresh Rate				
154	<b>Thumb Tissue Forcep for Dissection</b>	pc	4	700.00	2,800.00
	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.				
155	<b>TLC Plate, Silica Gel 60 F254, box of 25's</b>	box	1	20,000.00	20,000.00
	General description				
	25 Glass plates 20 x 20 cm				
	Analysis Note				
	Specific surface area (according to BET; 5-Pt.measurement): 480 - 540 m <sup>2</sup> /g				
	Pore volume(N <sub>2</sub> -isotherm):0.74 - 0.84 ml/g				
	d 50 (laserdiffraction, size distribution): 9.7 - 11.7 μm				




	Layerthickness: 210 - 270 $\mu$ m				
	Deviationof layer thickness per plate: $\leq$ 35 $\mu$ m				
	Chromatographic testing:				
	A) colourtest				
	hRf-values				
	- bleu viforganol, colour test, lipophile: 11 - 25				
	- CeresBlack G, colour test, lipophile: 34 - 48				
	- ceresViolet brn, colour test, lipophile: 52 - 67				
	separationnumber (colour test, lipophile): $\geq$ 10.5				
	B)Steroid test				
	hRf-values				
	- Hydrocortisone, steroid test: 25 - 37				
	- Reichstein S, steroid test: 37 - 49				
	- Methyltestosterone, steroid test: 42 - 54				
	Typical value determined on a conditioned plate				
	Eluent A) Toluene (45% rel. humidity)				
	Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity)PROPERTIES				
	Material, glass support				
	silica gel 60 matrix				
	Quality Level: 100				
	feature				
	binder Organic Polymer				
	fluorescent indicator				
	pkg of 25 plates				
	thin layer chromatography (TLC): suitable				
	layer thickness: 250 $\mu$ m				
	plate L $\times$ W: 20 cm $\times$ 20 cm				
	particle size: 10-12 $\mu$ m				
	pore size: 60 Å medium pore diameter				
	storage temp.: 2-30°C				
156	<b>Toluene</b>	btl	2	7,300.00	14,600.00
	☐(CAS 108-88-3)				
	☐2.5 liters,				
	☐Analytical Grade				
	☐99.5%,				
157	<b>Tryphtophan</b>	btl	1	2,500.00	2,500.00
	Analytical Reagent Grade 500g per bottle;				
158	<b>Vernier Caliper</b>	pc	3	4,000.00	12,000.00
	☐Measurement Range:0-200mm				
	☐Material:Stainless Steel				
	☐Accuracy:0.01mm				
	☐Caliper Type:Digital Calipers				
159	<b>Water Quality Test Meter</b>	pc	1	2,000.00	2,000.00
	☐2 in 1 kit, with calibration packets and user's manual				
	◀1 TDS meter				
	◀1 pH meter				
	☐Hand-held and portable, pen-sized				




	☑Color: yellow (pH) + blue (TDS)				
	☑Material: plastic + metal				
	☑Size: length 15.4cm				
	☑Accurate reading				
	☑Good quality				
	☑Durable				
160	<b>Zinc Chloride, Analytical Grade, 500g/btl</b>	<b>btl</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
	☑AR grade, 500 g per bottle;				
161	<b>zirconium oxide beads, 0.5 mm: pkg. of 50</b>	<b>tube</b>	<b>1</b>	<b>10,000.00</b>	<b>10,000.00</b>
162	<b>1 LOT OF LABORATORY CENTRAL &amp; SIDE BENCH</b>	<b>lot</b>	<b>1</b>	<b>750,000.00</b>	<b>750,000.00</b>
	<b>(1 unit) Central Bench (2000*1240*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;				
	Slideway: three section slide rail, no noise;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle;				
	<b>(2 units) Central Bench L*D*H (2000*1240*900) (mm)with reagent rack shelf and top cupboards</b>				
	Frame: steel structure;				
	Cabinet: use high quality galvanized steel sheet , surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;				
	Slideway: three section slide rail, no noise;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle; with reagent rack shelf and top cupboards;				
	<b>(2 units) Side Bench (2000*700*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet:use high quality galvanized steel sheet,surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board,with 25.4mm thickness edge sealing;				
	Hinges: open type high quality hinges, self-closing.				
	Handle: aluminum dark type handle;with 3 pcs sockets and covers, 220V.				
	<b>(2 units) Side Bench with Sink and Pegboard (1240*700*900) (L*D*H) (mm)</b>				
	Frame: steel structure;				
	Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder;				
	Table top: made of 12.7 mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing;				
	Hinges: open type high quality hinges, self-closing.				




	Handle: aluminum dark type handle; with one set pp sink 550*450*310mm + three way outlet faucet; with 1 set water drop pegboard;				
163	<b>1 lot Vernier Caliper, External Micrometer Measuring Set + Cylinder 1000ml</b>	lot	1	55,000.00	55,000.00
	<b>Vernier Caliper, External Micrometer Measuring Set + Cylinder 1000ml+ Analog Multimeter</b>				
	1. Metric Vernier Caliper, External Micrometer Measuring SetS (Calibrated) (5 sets)				
	Product Details				
	It consists of a vernier caliper and a micrometre screw gauge, both made entirely from hardened stainless steel. This ensures you hardwearing tools that are also corrosion-resistant.				
	The dual scale on the vernier caliper allows you to choose whether to take your readings in imperial or metric format. You can be sure of accurate measurements thanks to its fine adjustment mechanism, with lock screws to hold it in place for precise reading. The micrometre screw gauge comes in very accurate 0.01 mm reading ranges for pinpoint computations. It also has a compression ring and ratchet stop mechanism to prevent jams and preserve the lifespan of the tool. This measuring set is suitable for general workshop use as well as In laboratories and classrooms.				
	Specifications				
	Attribute: Value				
	Set Contents: Vernier Caliper, External Micrometer				
	Maximum Micrometer Measurement: 25 mm				
	Maximum Caliper Measurement: 150 mm				
	Imperial or Metric: Imperial, Metric				
					
	<b>2. 1000ml Glass Measuring Cylinder With Graduated (Calibrated) 10 units</b>				
	1, Capacity 1000 ml,				
	2, Standard:ISO international standard				
	3, Material: borosilicate glass 3.3				
	<b>3. Analog Multimeter - 10 units</b>				



	<p><b>Specifications</b></p> <p>Function      Measuring range</p> <p>DCV            0.1 (20kΩ/V)                   0.25/2.5/10/50 (20kΩ/V)/250/1000V (9kΩ/V)</p> <p>DCV (NULL)   ±5/25V (40kΩ/V)</p> <p>ACV            10/50/250/750 (9kΩ/V)</p> <p>DCA            50μ/2.5m/25m/0.25A</p> <p>Resistance    2k/20k/200k/2MΩ (x1/x10/x100/x1k)                   200MΩ (x100k)</p> <p>Capacitance   10μF</p> <p>dB             -10dB ~ +22dB (for 10VAC) ~ +62dB</p> <p>Load current (LI) 0-150m/15m/1.5m/150μ/1.5μA</p> <p>DC high voltage DC25kV (optional probe "HV-10T" is necessary)</p> <p>hFE            1000 at x10 range (optional probe "HFE-6T" is necessary) -</p> <p>Battery        R6 (IEC) or UM-3 (1.5V)x2</p> <p>Fuse            Φ5.2x20mm (250V/0.5A)</p> <p>Size/Mass H159.5xW129xD41.5mm/Approx. 320g</p>			<p>Tolerance</p> <p>±5% of full scale</p> <p>±3% of full scale</p> <p>±5% of full scale</p> <p>±4% of full scale</p> <p>*1 ±3% of full scale</p> <p>±3% of arc</p> <p>±5% of arc</p> <p>Approximate value</p> <p>Approximate value</p> <p>Approximate value</p> <p>-</p>	
					
164	<b>10 ml Type 1, class A borosilicate glass Beaker</b>	pc	6	250.00	1,500.00
165	<b>1000 ml Type 1, class A borosilicate glass Beaker</b>	pc	6	1,000.00	6,000.00
166	<b>25 ml Type 1, class A borosilicate glass Beaker</b>	pc	6	400.00	2,400.00
167	<b>250 ml Type 1, class A borosilicate glass Beaker</b>	pc	6	600.00	3,600.00
168	<b>2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater</b>	lot	1	310,000.00	310,000.00
	<i>Lot: 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100 and Objective Heater - Warmer Upgrade</i>				-
	<b>1. 2-Channel Precision Low-Noise Temperature Controller, high stability, TC-1-100</b>				
	<i>Description:</i>				
	<i>Low electrical noise. Independent second channel for objective heaters or incubator lids. Can be used with Temperature controlled microscope stages, heated. Compatible with objective heater.</i>				
	<i>plastic-encapsulated external probes (optional): no metal ions leakage into solutions</i>				
	<i>Stability 0.01°C self-adjusting</i>				
	<i>Multiple temperature probes: allow to stabilize temperature in large volumes (Petri dishes)</i>				







	Overheating protection: no risk to burn the heating stage or destroy your sample			
	Analog Output to monitor temperature			
	Analog and RS232 Input to set and program temperature			
	No noise: suitable for electrophysiological recordings			
	Standby mode			
	No vibrations during imaging and recording - no internal fan			
	Can be used with objective heaters. Most heating stages work as inline solution pre-heaters. Can be used with flow control and perfusion systems. Includes connecting cables.			
	<b>Specifications:</b>			
	Range: room to 150°C, with accuracy of 0.1°C			
	Temperature probes: optional miniature 0.87mm diameter (fits small volume chambers); plastic-encapsulated			
	Stability: 0.01°C; required for sensitive applications: nano/piezo positioning, confocal imaging			
	Settings: self-adjusting; flexible, allow to stabilize temperature in different sample volumes and heating stage sizes; allow to regulate output from 0 up to 96W per channel - prevents temperature overshoot and provides dual overheating protection			
	Feedback: Stage or External BATH probe			
	Output: 12V 4A max, per channel; 18V and 24V upon request			
	Input: 100-240VAC			
	Dimensions: 8x4x9in.			
				
	<b>2. Objective Heater - Warmer Upgrade</b>			
	Description:			
	A thin flexible polyimide heater for any microscope objective. Used with oil or water immersion optics. Built-in temperature sensor. Easy to attach and remove. Simply wrap the heater around objective and secure with included Velcro tape. The heater is usually attached to a cylindrical surface of the objective, closer to the sample. The controller stores two settings in its memory for different size objectives.			
	Compatible with temperature controller.			
	<b>Specifications:</b>			
	Dimensions: 0.5/0.25in. wide x 5/10in long (around objective surface)			
	Temperature stability: 0.01°C, self-adjusting, required for			





	<i>sensitive applications: nano/piezo positioning or confocal imaging</i>				
	<i>Dual overheating protection: regulated power output down to 0W; settings eliminate temperature overshoot; adjustable temperature threshold</i>				
	<i>Easy to install: Fits any objective</i>				
					
	<b>3. Tabletop 6x 50 ml High Speed Centrifuge</b>				
	<b>Description:</b>				
	- Brushless motor				
	- Microprocessor control				
	- Max. Speed- 8000- 30000 rpm				
	<b>Specifications:</b>				
	- Brushless motor				
	- Microprocessor control				
	- Max. Speed- 8000- 30000 rpm				
	Power Supply: AC220 V 50 Hz				
	Display: LCD				
	Max. Rcf: 1870 xg				
	Noise: <65 dB				
	Consumption: 350 W				
	Dimensions: 500 x 440 x 330 mm				
					
169	500 ml Type 1, class A borosilicate glass Beaker	pc	6	700.00	4,200.00
170	Ammonia, NH3	btl	1	2,600.00	2,600.00
	<i>Concentrated, Analytical reagent grade, 2.5L/bottle</i>				
171	Ammonium Acetate, AR, 500g	pack	3	1,800.00	5,400.00
172	Ammonium Flouride	btl	2	1,000.00	2,000.00
	☐White crystalline				
	☐ACS reagent, ≥98.0%				
	☐500g				
173	ammonium meta vanadate, AR>, 500g/btl	btl	1	5,000.00	5,000.00



174	<b>ammonium molybdate</b> <i>ammonium molybdate, analytical reagent - 500 g.</i>	btl	1	1,500.00	1,500.00
175	<b>Ammonium Sulfate, 500g/btl.</b> ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottles	btl	1	650.00	650.00
176	<b>Analytical Balance, digital</b> <i>capacity-200 grams; accuracy-0.001g readability 0.001g with certificate of calibration</i>	unit	2	40,000.00	80,000.00
177	<b>Analytical Balance, at least 220g capacity</b> ☑4 decimal places ☑Automatic Internal Calibration, LCD back-lit display ☑Capacity: 220g ☑Readability: 0.1 mg ☑Repeatability (std dev): 0.1 mg ☑Linearity (+/-): 0.2 mg ☑Pan size (mm/inch): 90 Ø/3.5Ø ☑Response time: 3 sec ☑Calibration: Perfect Self Auto Calibration (temperature / time /power on) ☑Display: Bright LCD Display with LED backlight ☑Unit of measure: gram, Milligram ☑Tare Range: Full ☑Operating Temperature: 10°C to 40°C ☑Dimension (WXDXH) mm : 342.5X212x341 ☑Power Supply: AC Adapter 100V- 240V +/- 20% 50-60Hz ☑Net weight with Packing: 8 kgs ☑Packing Dimension (WXDXH) mm: 500 x 380 x 510 / 19.6" x 14.9"x 20"	unit	1	53,000.00	53,000.00
178	<b>Autoclavable Pipetter of Single Channel, 0.2-2 ul, good-quality, brand new</b>	pc	2	19,500.00	39,000.00
179	<b>Autoclavable Pipetter of Single Channel, 100-1000 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
180	<b>Autoclavable Pipetter of Single Channel, 10-100 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
181	<b>Autoclavable Pipetter of Single Channel, 1-10 ul, good-quality, brand new</b>	pc	2	19,500.00	39,000.00
182	<b>Autoclavable Pipetter of Single Channel, 20-200 ul, good quality, brand new</b>	pc	2	16,900.00	33,800.00
183	<b>Autoclave</b> external dimension (mm): 455 x 691 x 890 Dimensions (mm): 364 x 482 Canned body capacity: 50.2 L Temperature range (variable equation): Sterilization / 105 to 135 ° C, dissolved / 60 to 100 ° C, Insulation / 45 to 60 ° C Pressure gauge: Digital / 0 to 0.3 MPa Analog / 0 to 0.4 MPa Timer: Sterilization / 1 to 300 minutes, dissolution / 1 to 60 minutes, Reservation / 1 hour to 99 hours Selection course: Liquid, agar, equipment, and dissolution Function: air vent double sensing system,	unit	1	49,000.00	49,000.00



	forced cooling, water discharge bottle full water, detection, exhaust level adjustment (four stages), auto cut-off memory (12 Data) Safety device: Pressure safety valve, leakage current, overcurrent breaker and error display (Air heater, temperature sensor disconnection, overtemperature, overcooling, overpressure, Lid / exhaust valve / heater abnormality) power supply: AC100V 20 A Weight: About 62 kg Accessories: stainless steel round wire mesh basket x 2 pieces, drainage bottle x 1 piece duckboard x 1 piece caster stopper x 2 pieces Heteroclave Freight, carrying, installation and assembly costs are required separately. Please contact us This product is not a medical device Model Number: HG-50 LB				
184	<b>Beaker, Glass, 1000mL</b>	pc	2	1,000.00	2,000.00
	☐1000mL capacity, borosilicate glass;				
185	<b>Beaker, Glass, 100mL</b>	pc	24	500.00	12,000.00
	☐100mL capacity, borosilicate glass;				
186	<b>Beaker, Glass, 2000mL</b>	pc	1	1,000.00	1,000.00
	☐2000mL capacity, borosilicate glass;				
187	<b>Beaker, Glass, 500mL</b>	pc	3	1,000.00	3,000.00
	☐500mL capacity, borosilicate glass;				
188	<b>Beaker, Glass, 50mL</b>	pc	24	400.00	9,600.00
	☐50mL capacity, borosilicate glass;				
189	<b>Boric Acid, Analytical Reagent</b>	kg	1	8,400.00	8,400.00
190	<b>Centrifuge (Conical) Tubes, 15mL Capacity</b>	pack	4	950.00	3,800.00
	☐With graduations and marking spot.				
	☐Screw cap (plugseal)				
	☐Sterile. RNase-/DNase-free.				
	☐Non-pyrogenic				
	☐Polyethylene terephthalate (PET) material				
	☐At least 3600 centrifugal force (x g)				
	☐Pack of <i>at least</i> 25Tubes				
191	<b>Centrifuge (Conical) Tubes, 50mL Capacity</b>	pack	4	1,050.00	4,200.00
	☐With graduations and marking spot.				
	☐Screwcap (plugseal)				
	☐Sterile. RNase-/DNase-free.				
	☐Non-pyrogenic				
	☐Polyethylene terephthalate (PET) material				
	☐At least 3600 centrifugal force (x g)				
	☐Pack of 25 Tubes				
192	<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				
	Packaging Type: glass bottle				
	Grade: AR quality				
193	<b>citric acid, technical grade</b>	kg	1	500.00	500.00
194	<b>Digital Vernier Caliper</b>	pc	1	20,000.00	20,000.00
	Electromagnetic induction type absolute encoder and Advanced Onsite Sensor (AOS) technology;				



	Range: 200 mm;				
	Resolution: 0.01 mm.				
	Power supply: : Button-type silver oxide battery				
	SR44				
<b>195</b>	<b>Emergency Eye Washer with Shower</b>	<b>unit</b>	<b>2</b>	<b>49,000.00</b>	<b>98,000.00</b>
	Material: stainless steel;				
	Emergency shower: 304 stainless steel inlet pipes/s stay-open ball valve with s/s actuating arm s/s pull rod & s/s shower head;				
	Eye wash: 304 stainless steel inlet pipe, s/s stay-open ball valve with flag handle & s/s eye wash bowl;				
	Spray head: Chemical resistant PP/Solid brass,built-instainless steel filter to remove impurities from water;				
	<i>include installation</i>				
	Foot treadle stainless steel				
<b>196</b>	<b>Erlenmeyer Flask 125ml.</b>	<b>pcs</b>	<b>6</b>	<b>600.00</b>	<b>3,600.00</b>
	Material: borosilicate glass				
	bottom (baffled)				
	wide-mouth				
<b>197</b>	<b>Erlenmeyer Flask, Glass, 1L</b>	<b>pc</b>	<b>6</b>	<b>3,000.00</b>	<b>18,000.00</b>
<b>198</b>	<b>Erlenmeyer Flask, Glass, 250mL</b>	<b>pc</b>	<b>6</b>	<b>400.00</b>	<b>2,400.00</b>
	Material: Borosilicate Glass				
	Good Quality				
<b>199</b>	<b>Erlenmeyer Flask, Glass, 500ml</b>	<b>pc</b>	<b>6</b>	<b>600.00</b>	<b>3,600.00</b>
	Material: Borosilicate Glass				
	Good Quality				
<b>200</b>	<b>Filter paper, #1</b>	<b>box</b>	<b>1</b>	<b>1,200.00</b>	<b>1,200.00</b>
	qualitative analysis				
	125 mm diameter				
	at least 100 pcs. per box				
<b>201</b>	<b>Gloves, Nitrile, Small</b>	<b>box</b>	<b>1</b>	<b>1,500.00</b>	<b>1,500.00</b>
	box or 100-50 pairs, small				
	natural rubber latex-free, powderless				
	micro grip				
<b>202</b>	<b>Gravity Convection Oven (at least 27L)</b>	<b>unit</b>	<b>1</b>	<b>90,000.00</b>	<b>90,000.00</b>
	Capacity (cu ft)0.95, Capacity (Liters)27				
	Min Temperature (° C)10				
	Max Temperature (° C)200				
	Temperature Uniformity±3% at 100°C				
	Temperature Control Accuracy±0.5°				
	Resolution0.1°C				
	Chamber (WxHxD): 32x35.5x30cm				
	Exterior (WxHxD): 46x66x52cm				
	Rise Time15 to 30 min to 100°C				
	Number of Shelves: 2, Number of Shelf Positions: 6				
	Control TypePID temperature controller				
	Display LCD				
	Power (VAC)220, (Hz)50/60, (watts)850				
	Timer Range0 to 99 hrs, 59 min				
	Atleast Warranty3 Years				



203	<b>Lab Gown Long Sleeves L</b>	pc	5	500.00	2,500.00
	☐ Lab Coat High-quality White				
	☐ Size- Large; long sleeves				
204	<b>Microcentrifuge Tubes (1.5mL Capacity)</b>	pack	4	1,000.00	4,000.00
	☐ clear				
	☐ safe-lock				
	☐ pack of 1000				
	☐ autoclavable				
205	<b>Microcentrifuge Tubes (2.0mL Capacity)</b>	pack	4	2,000.00	8,000.00
	☐ clear				
	☐ safe-lock				
	☐ pack of 1000				
	☐ autoclavable				
206	<b>Micropipette Tip, 10 uL</b>	pack	4	600.00	2,400.00
	☐ 10 uL-capacity				
	☐ Standard tip, graduated				
	☐ Autoclavable				
	☐ Pack of 1000 tips				
207	<b>Micropipette Tip, 1000 uL</b>	pack	4	750.00	3,000.00
	☐ capacity, 1000 uL				
	☐ Standard tip, graduated				
	☐ Autoclavable				
	☐ Pack of 1000 tips				
208	<b>Micropipette Tip, 200 uL</b>	pack	4	550.00	2,200.00
	☐ capacity, 200 uL				
	☐ Short tip, graduated,				
	☐ Autoclavable				
	☐ Pack of 1000 tips				
209	<b>Microwave Oven, 30L</b>	unit	2	12,000.00	24,000.00
	☐ 30 Liters Microwave Oven				
	☐ Quick Defrost				
	☐ Push Bottom + Knob + Digital				
	☐ Automatic Programmes				
	☐ 5 Power Levels				
	☐ LED White Color				
	☐ Turntable Size: 315mm				
	☐ Voltage: 230V				
	☐ Frequency: 60Hz				
	☐ Microwave Power: 100W				
210	<b>Mlni CENTRIFUGE</b>	unit	1	40,000.00	40,000.00
	☐ Description:				
	◀ Quiet & Compact				
	◀ Spins multiple micro sample tube sizes				
	◀ Ideal for Quick Spin-Downs				
	◀ Fast Starting & Stopping				
	☐ Specifications:				
	◀ RPM: at least 6,600 rpm				
	◀ RCF: at least 2,200 xg				



	◀Micro tube Rotor: 2 x 8-strips or 16 x 0.2mL tubes				
	◀Electrical: 100V to 230VAC, 50/60 HZ, 0.1 A				
	◀Warranty: 1 year				
<b>211</b>	<b>Orbital Shaker</b>	<b>unit</b>	<b>1</b>	<b>49,000.00</b>	<b>49,000.00</b>
	Model:OS – 20Range of rotation:40 – 200rpm				
	Max load:2kg(without clamp)				
	Orbital diameter:20mmDisplay:LED display				
	Operation mode:Timing / continuous running				
	Timing range:1min – 19h59min				
	Allowable ambient temp range:5 – 40°C				
	Allowable relative humidity:80% DIN EN60529				
	protection method:IP20				
	Size:270*330*130mmVoltage/Frequency:100 – 240VAC 50/60HzMotor input/output power:200W / 10W				
<b>212</b>	<b>pH Meter with complete specification</b>	<b>unit</b>	<b>2</b>	<b>40,000.00</b>	<b>80,000.00</b>
	Specifications:Parameters Measured:pH/ mV (ORP)/°C				
	Range pH: (-2.00~19.99) PH				
	mV: (0± 1999) Mv Temp: (0.0~80.0) ° C				
	Resolution pH: 0.01PHmV: ± 1mV				
	Temp: 0.01° C				
	Accuracy pH: ± 0.01ph± 1bit				
	mV: ± 0.1mV± 1bit				
	Temper: ± 0.01° C				
	Stability: (± 0.01pH± 1bit)/3h				
	Temperature Compensation: Manual/Auto (0.0~80.0)° : LCD, dual parameter				
	Power: Universal power adapter (12V DC, 1.0mA)				
<b>213</b>	<b>Potassium dichromate, AR Grade</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
	■500 grams/poly bottle;				
<b>214</b>	<b>Potassium dihydrogen phosphate, AR, 500g/btl</b>	<b>btl</b>	<b>2</b>	<b>3,000.00</b>	<b>6,000.00</b>
<b>215</b>	<b>Potassium sulfate, K2SO4</b>	<b>btl</b>	<b>1</b>	<b>3,000.00</b>	<b>3,000.00</b>
	Analytical reagent grade, 500g/bottle;				
<b>216</b>	<b>Qualitative filter paper, Grade 1 or its equivalent</b>	<b>pack</b>	<b>5</b>	<b>700.00</b>	<b>3,500.00</b>
	■Material: cellulose filters, circles				
	■Pack Size: 100 pcs				
	■Parameter: 0.25 psi wet burst				
	■Diameter :25 mm				
	■Thickness: 180 µm				
	■Pore size: 11 µm (Particle retention)				
	■Basis weight: 87 g/m2				
<b>217</b>	<b>Sieve no.10 with cover and pan</b>	<b>set</b>	<b>1</b>	<b>10,000.00</b>	<b>10,000.00</b>
	■Sieve No. 10 (8" Sieve, All Brass, Full Height, No. 10 Mesh); Eye opening: 2000 µm (0.0787in)				
	■Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height)				
	■Sieve Cover (8" Brass Sieve Cover Lid)				
<b>218</b>	<b>sodium carbonate</b>	<b>btl</b>	<b>2</b>	<b>2,300.00</b>	<b>4,600.00</b>
	sodium carbonate - analytical grade, <i>atleast 500 kg</i>				
<b>219</b>	<b>sodium chloride, technical grade</b>	<b>kg</b>	<b>2</b>	<b>500.00</b>	<b>1,000.00</b>





220	Sodium Hexametaphosphate, 500g, AR	btl	3	1,300.00	3,900.00
221	Sodium Hydroxide, Technical Grade, Flakes 5kgs/bag	bag	5	2,750.00	13,750.00
222	Soil Test Kit	set	1	2,500.00	2,500.00
223	Stainless Steel Laboratory Microspatula	pc	1	3,000.00	3,000.00
224	Strontium Chloride	btl	2	5,000.00	10,000.00
	☑ Anhydrous				
	☑ Lab grade/ Analytical reagent grade				
	☑ Expiration date (3 years from the delivery date)				
	☑ Packed in Teflon bottles at 500g				
225	Sulfuric acid, H <sub>2</sub> SO <sub>4</sub>	btl	1	2,500.00	2,500.00
	☑ Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle				
226	Test Tube (Small), Glass, 12 x 75mm	pc	30	200.00	6,000.00
	☑ 12x75 mm glass (borosilicate)				
227	Test tube/ Bottle Cleaning Brush	pc	2	100.00	200.00
228	Top Loading Weighing Scale	unit	2	35,000.00	70,000.00
	☑ Usage/Application: Laboratory				
	☑ Capacity: 6 kg				
	☑ accuracy: 0.01g				
	☑ Display: Digital				
229	Triethanolamine, AR	liter	1	3,000.00	3,000.00
230	Volumetric Flask 100ml	pc	5	1,000.00	5,000.00
	☑ 100 mL (±0.01 mL)				
	☑ Borosilicate glass with glass standard taper stopper,				
	☑ Class A				
	☑ Calibrated				
231	Vortex Mixer, 220V QL-901, 2800RPM	pc	2	14,000.00	28,000.00
	<b>Rebidding (from VSU-GOODS-24-09)</b>				
232	Digital Electric Stereo Microscope with Camera Lucida	unit	1	106,000.00	106,000.00
	Specifications:				
	HARDWARE				
	AR tilting trinocular tube SZX2-ARTTR • Angle of observation tube: 5 to 45 degrees				
	• Maximum power consumption: 10 W				
	• Interpupillary distance adjustment range: 57 to 80 mm				
	• Equipped with eyepiece clamping knob				
	• Light-path switching mechanism: present				
	• Eyepiece magnification: 1.25X; camera magnification: 1X				
	• Functions of buttons on the front panel: AR image brightness adjustment (7 levels) and AR image ON/OFF				
	Input connectors: HDMI x 1, USB 2.0 (Type-C) x 1, DC jack x 1				
	• Drive voltage: AC 100–240 V (AC adaptor)				
	• Camera lucida adapter: present				
	• Camera lucida included: yes				
	Zoom magnification sensor Main Functions:				
	• Set the zoom magnification (at click positions only)				
	• Move slides created on the software forward and backward				
	• Output connector: USB 2.0 Type-C				




	Recording:				
	• File saving formats: mp4, mov; Video codec: H264				
	• Audio format: MP3; Audio codec: mp3				
233	<b>2 Whole Plastinated Cat specimen ,1 Whole plastinated cat specimen,3D Cat Model,3D frog Anatomy,3D Human Anatomy Introduction, 3D Bird Anatomy, 3D fish anatomy</b>	lot	1	90,000.00	90,000.00
	Specification:				
	> 2 Whole Plastinated Cat specimen -Dissected model exposing the anatomy of the neck, thoracic regions, abdominal organs, along with musculature of the upper forelimbs and hindlimbs				
	Approximate length: 14 to 18 inches				
	>1 Whole plastinated cat specimen Model showing superficial muscles of the cat				
	> 3D cat model- The 3D Cat Anatomy software is an interactive model that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.				
	> 3D frog anatomy. The 3D Frog Anatomy software is an interactive model of an American bullfrog ( <i>Rana catesbeiana</i> ) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption, or they can be removed to permit viewing of deeper structures.				
	>3D Human Anatomy Introduction -The 3D Human Anatomy Introduction software consists of an interactive model of the human body, created especially for students, teachers and healthcare professionals.				
	>3D Bird Anatomy -The 3D Bird Anatomy software (desktop version) is an interactive anatomical model of a pigeon. This tool allows you to visualize bones, muscles and internal organs, as well as details of the bird's external anatomy.				
	>3D fish anatomy The 3D Fish Anatomy software is an interactive model of a perch ( <i>Perca flavens</i> ) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption or removed to permit viewing of deeper structures.				
234	<b>Laboratory Furniture (35 lab stacking chairs , 5 aluminum shelves)</b>	lot	1	176,000.00	176,000.00
	<b>35 pcs. Stacking Chair</b>				
	Width: 20 inches				
	Height: 32 1/2 inches				
	Arms: Without Arms				
	Assembled: Assemble Required				
	Back: With Back				
	Color: Black				
	Features: Stackable				
	Frame Color: Silver				



	Frame Material: Steel				
	Padded Seat: Without Padded Seat				
	Seat Material: Plastic				
	Shape: Rectangle				
	Style: Solid Back				
	Usage: Break room Indoor				
	<b>5 pcs. 5-Layer Steel Cabinet with Glass Sliding Doors</b>				
	Product specifications				
	Color: Beige, Light Gray, Off-white				
	Material/s Used: Ga24 Metal Sheet, Heavy Duty Ball Bearing Rollers, Powder coated Painting Finish				
	Dimension : <i>approx.</i> (WxDxH): 900X4000X1850mm				
<b>235</b>	<b>4-Nitrophenol or p-Nitrophenol</b>	<b>Vial</b>	<b>1</b>	<b>6,000.00</b>	<b>6,000.00</b>
	Analytical standard				
	Powder or crystal form				
	HPLC suitable				
	Vial of 1g				
<b>236</b>	<b>Acetone</b>	<b>gal</b>	<b>2</b>	<b>1,600.00</b>	<b>3,200.00</b>
	Acetone, Technical Grade				
<b>237</b>	<b>Amber Reagent Bottle, 100mL</b>	<b>pc</b>	<b>2</b>	<b>400.00</b>	<b>800.00</b>
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 100mL				
<b>238</b>	<b>Amber Reagent Bottle, 500mL</b>	<b>pc</b>	<b>2</b>	<b>750.00</b>	<b>1,500.00</b>
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 500mL				
<b>239</b>	<b>Automatic tilt measure ,Sulphuric acid</b>	<b>btl</b>	<b>1</b>	<b>62,500.00</b>	<b>62,500.00</b>
	Automatic tilt measure				
	with rubber stopper and storage bottle 500 ml				
	for 10 ml sulphuric acid				
<b>240</b>	<b>Automatic tilt measure, Amyl alcohol</b>	<b>btl</b>	<b>1</b>	<b>58,000.00</b>	<b>58,000.00</b>
	Automatic tilt measure Superior				
	with rubber stopper and storage bottle 250 ml				
	for 1 ml amyl alcohol				
<b>241</b>	<b>Barfoed's Reagent Solution 1000mL</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	Technical Reagent Grade 1000mL per bottle				
<b>242</b>	<b>Benedict's Solution 1000mL</b>	<b>btl</b>	<b>2</b>	<b>1,000.00</b>	<b>2,000.00</b>
	Technical Reagent Grade 1000mL per bottle;				
<b>243</b>	<b>Biological Safety Cabinet- Class I</b>	<b>set</b>	<b>1</b>	<b>165,000.00</b>	<b>165,000.00</b>
	suitable for work involving low to moderate risk agents (Biosafety Levels 1, 2 and 3) where there is a need for containment, but not for product protection.				
	the HEPA filter included protects the environment by filtering air before it is exhausted				
	With the negative pressure, personnel protection is made possible by constant movement of air into the work area				
	Specifications:				
	UV lamp for sterilization				




	Soft touch control panel, LCD display				
	Energy-saving, high efficiency, low noise.				
	With memory function in case of power-failure.				
	304 stainless steel work stable, easy for cleaning.				
	Stable air flow system; provide firm protection to person and environment.				
	External Size: (W*D*H), mm: 900*713*1250mm				
	Internal Size:(W*D*H), mm: 900*713*1250mm				
	Voltage: 220V (AVR included)				
244	<b>Blood Lancets g.23 box of 200</b>	box	1	2,000.00	2,000.00
245	<b>Boiling Stone or Chips</b>	bag	1	2,000.00	2,000.00
	■1000pcs/bag Glass Marbles High Precision Lab Glass Beads Used in distillation to prevent liquid level boiling				
246	<b>Butyrometer for milk 0-10%</b>	pc	3	30,000.00	90,000.00
	Milk butyrometer 0 – 10 %: 0.1 (accessory: 3280), glass				
247	<b>Carbon Disulfide 500mL</b>	btl	1	1,500.00	1,500.00
	Analytical Reagent Grade 500mL per bottle				
248	<b>Chlorine, Liquid;</b>	gal	2	500.00	1,000.00
249	<b>Chloroform 2.5L</b>	btl	2	3,000.00	6,000.00
	Analytical Reagent Grade 2.5L per bottle				
250	<b>Condom or Rubber Sheath</b>	pc	40	110.00	4,400.00
	material: Latex rubber				
251	<b>Custom oligo primers</b>	unit	1	2,000.00	2,000.00
	■HPLC-CE purified				
252	<b>Cyclohexene</b>	btl	1	3,500.00	3,500.00
	Analytical Reagent Grade 2.5L per bottle				
253	<b>Chest Type Freezer at least 15 Cu.Ft. Inverter</b>	unit	1	50,000.00	50,000.00
	Specifications:				
	Atleast 15 cu.ft. Solid top chest freezer				
	Save up to 30% of electricity cost				
	Digital temperature control				
	Shows storage temperature - LCD display				
	2 wire baskets				
	With Key locks				
	Roller feet				
	Frontal Temperature control				
	Dimensions:(h:w:d) approx. 35 x 52 x 29 inches				
					
254	<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				
	Cannot measure thin foods unless inserted sideways				
	Not designed to remain in food while it is cooking				
	Use to check the internal temperature of a food at the end of cooking time				
	Can be calibrated				
255	<b>Digital Weighing Scale- 0.01-5kg</b>	unit	1	28,000.00	28,000.00
	☑Capacity: 0.01g to 5kg				
	☑Type: Laboratory Balance				
	☑Power Supply: 100-240V/50-60H				
	☑Size: 320*205*100mm				
256	<b>Drager Aspirator Bulb</b>	pc	5	1,000.00	5,000.00
257	<b>Ethyl Alcohol (95%)</b>	canister	3	4,000.00	12,000.00
	☑Container size: Plastic waterjug (20L)				
258	<b>Filter paper</b>	pack	1	2,500.00	2,500.00
	Specifications:				
	-Glass microfiber filters				
	- Diameter: 47 mm				
	-Pore size: 1.2 µm or 1.5 µm				
	-100 pcs per pack				
259	<b>Formaldehyde</b>	btl	1	3,000.00	3,000.00
	Analytical Reagent Grade 2.5L per bottle;				
260	<b>Giemsa stain set</b>	set	1	3,000.00	3,000.00
	Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml				
261	<b>Glass Jar 8oz</b>	box	15	350.00	5,250.00
	☑Clear				
	☑8oz				
	☑M-7177				
	☑with cap				
	☑24pcs/box				
262	<b>Gloves, Nitrile, Medium</b>	box	3	1,500.00	4,500.00
	☑Glove Type: Chemical Resistant Disposable Gloves				
	☑Glove Material: Nitrile				
	☑Powder-Free				
	☑1 box of 100 or 50 pairs				
	☑Food Safe				
	☑Size: Medium				
263	<b>Glycerin 1L/Bottle, AR</b>	btl	1	1,000.00	1,000.00
264	<b>Graduated Cylinder, Glass, 1000mL</b>	pc	2	3,000.00	6,000.00
	☑Material: Borosilicate Glass				
	☑Good Quality				
265	<b>Graduated Cylinder, Glass, 100mL</b>	pc	5	1000.00	5,000.00
	☑Type 1, Class A Borosilicate Glass				
266	<b>Graduated Cylinder, Glass, 250mL</b>	pc	5	1500.00	7,500.00



	☐Material: Borosilicate Glass				
	☐Good Quality				
267	<b>Graduated Cylinder, Plastic, 1000mL</b>	pc	2	400.00	800.00
	<i>Plastic, 1000ml (1L) capacity for Particle Size Analysis</i>				
268	<b>Hemaquick Stain</b>	set	2	4,000.00	8,000.00
269	<b>High Precision Stainless Steel Digital Vernier Caliper</b>	pc	5	2,500.00	12,500.00
	<i>6 inches; 0.01-0.025 mm accuracy</i>				
270	<b>Hygrometer Thermometer Indoor Humidity Monitor, Temperature Humidity Meter Room Thermometer Gauge In</b>	unit	1	2,000.00	2,000.00
	<i>* Power supply: Station:2 x AAA 1.5V batteries(not included); Sensor: 2 x AAA 1.5V batterie(Battery not included).</i>				
	<i>* Backlight LCD Display</i>				
	<i>* with Remote Sensor</i>				
271	<b>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</b>	btl	1	2,500.00	2,500.00
272	<b>Refrigerator (3 units)</b>	lot	1	120,000.00	120,000.00
	<b>a). Single Door Refrigerator (2 units)</b>				
	<i>Atleast 10 cu. ft. Showcase Chiller</i>				
	<i>Freezer on top</i>				
	<i>3 Adjustable wire shelves – Chiller</i>				
	<i>Additional wire shelf – freezer section</i>				
	<i>7-level Temperature Control</i>				
	<i>Clean Back Design</i>				
	<i>Adjustable Levelling Feet</i>				
	<i>Key lock</i>				
	<i>White color</i>				
	<i>Approx.. 175 W</i>				
	<i>Atleast 1 Year Warranty on Service and parts</i>				
	<i>Atleast 5 Years Warranty on Compressor</i>				
					
	<b>b). Two Door Refrigerator (1 unit)</b>				
	<i>Atleast 10 cu.ft. Heavy Duty Inverter, No Frost</i>				
	<i>Energy Efficient Inverter Compressor</i>				
	<i>R600a Refrigerant</i>				
	<i>Smart Cooling Technolog</i>				
	<i>Fresh Zone Crisper with Humidity Control</i>				
	<i>Quick Chill Compartment</i>				
	<i>Eco-LED light</i>				





	<i>Reversible Door Design</i>				
	<i>Spill-Proof Tempered Glass Shelves</i>				
	<i>Recessed Handle</i>				
	<i>Textured body (Rust and Stain Resistant)</i>				
	<i>Stainless Look Door</i>				
	<i>Atleast 1 Year Warranty on Service and parts</i>				
	<i>Atleast 5 Years Warranty on Compressor</i>				
					
273	<b>Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM, 5000 mL maximum stirring capacity</b>	unit	1	20,000.00	20,000.00
274	<b>Laboratory Stool/Chair, Wheeled</b>	pc	20	4,500.00	90,000.00
275	<b>Laboratory working table</b>	unit	4	58,500.00	234,000.00
	<i>Frame: steel structure; Cabinet: use high quality galvanized steel sheet, surface coated with epoxy powder; Table top: made of 12.7mm thickness corrosion-resistant black phenolic resin board, with 25.4mm thickness edge sealing; Hinges: open type high quality hinges, self-closing; Handle: aluminum dark type handle, with 3 pcs sockets and covers, 220V</i>				
277	<b>Labware Detergent or Laboratory Dishwashing Liquid</b>	btl	2	2,500.00	5,000.00
	<input checked="" type="checkbox"/> Suitable for manual, ultrasonic, and machine washing				
	<input checked="" type="checkbox"/> Completely biodegradable				
	<input checked="" type="checkbox"/> Free of phosphate, chlorine, enzyme, and EDTA				
	<input checked="" type="checkbox"/> Contains anionic and cationic surfactants				
	<input checked="" type="checkbox"/> 5 liters per bottle				
278	<b>Lithium Chloride</b>	btl	1	1,000.00	1,000.00
	<input checked="" type="checkbox"/> Anhydrous				
	<input checked="" type="checkbox"/> Lab grade/Analytical reagent grade				
	<input checked="" type="checkbox"/> Expiration date(3 years from the delivery date)				
	<input checked="" type="checkbox"/> Packed in Teflon bottles				
279	<b>Malt Yeast Extract Agar</b>	btl	2	7,000.00	14,000.00
	<input checked="" type="checkbox"/> Applications: Yeasts and molds selective enumeration, yeasts and molds selective isolation				
	<input checked="" type="checkbox"/> pH: 4.7±0.2 at 25°C				
	<input checked="" type="checkbox"/> solubility: without rests				
	<input checked="" type="checkbox"/> Appearance: fine powder				
	<input checked="" type="checkbox"/> atleast 500 grams				



280	<b>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo</b>	lot	1	100,000.00	100,000.00
	<i>Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo,, Dissection pans with wax, Dissection pans with wax, Bone saw, Teasing needles, Dissect, Serrated forceps, Thumb forceps, Fine-tip forceps, Scalpel handle, boxes Surgical blades , Mayo Dissecting scissors,</i>				
	<i>Push carts, Sedgewick-Rafter Counting Cell</i>				
	<i>Item Specification</i>				
	<b>2 pcs. Manual sphygmomanometer</b>				
	<i>with calibration key</i>				
	<i>Measure scope 0-300mmHg</i>				
	<i>Accuracy: +/-33mmHg</i>				
	<i>Sub-division: 2mmHg</i>				
	<b>2 pcs. Digital sphygmomanometer/Automatic Blood Pressure Monitor</b>				
	<i>clinically validated</i>				
	<i>body movement detection</i>				
	<i>blood pressure level indicator</i>				
	<i>irregular heartbeat detection</i>				
	<i>measurement memory storage</i>				
	<i>average for last 3 readings within 10 minutes</i>				
	<i>intellisense technology</i>				
	<b>2 pcs. Pulse oximeter</b>				
	<i>Pulse Rate, Blood Oxygen Saturation (SpO2), Heart Rate</i>				
	<i>Measurement range: 70~99%</i>				
	<i>Resolution: 1% Power Source:</i>				
	<i>Rechargeable Accuracy: 3% (70%~99%)</i>				
	<i>Measurement range: 30~240 bpm</i>				
	<i>Resolution: 1% Accuracy: 2bpm or 2% (select larger)</i>				
	<i>Low Perfusion: 0.4%</i>				
	<i>Working Current: 30mA</i>				
	<i>Dimension &amp; Weight: 58*36*33mm, 32g</i>				
	<b>2 pcs Stop Watch</b>				
	<i>Large screen. display</i>				
	<i>Counts up to 24 hours with a resolution of 1/100 second</i>				
	<i>with lap function, alarm, clock, and calendar</i>				
	<i>Includes battery</i>				
	<b>10 pcs. Alcohol Thermometer 200 °C</b>				
	<i>unit scale: degree Celsius</i>				
	<i>range: max 200 degree Celsius</i>				
	<i>length: approx 30cm</i>				
	<i>material: traditional glass</i>				
	<i>alcohol thermometer mounting: tube type</i>				
	<i>Item Specification</i>				
	<b>&gt;10 pcs. Dissection pans with wax Dimensions: 16x9 inches- Aluminum/stainless steel material</b>				
	<b>&gt;20 pcs. Dissection pans with wax 10x7.5 inches- Aluminum/stainless steel material</b>				



	>5 pcs. Bone saw				
	>30 pcs. Teasing needles Stainless steel handle with a straight metal probe				
	>30 pcs. Dissecting probe Stainless steel handle with a bent needle				
	>30 pcs. Serrated forceps Stainless steel material, medium points, serrated tips -6 inches long				
	>30 pcs. Thumb forceps Stainless steel material, smooth tip				
	>30 pcs. Fine-tip forceps Stainless steel material, straight tip				
	>40 pcs. Scalpel handle (size 4) without blade Stainless steel material with satin finish				
	>2 boxes Surgical blades Size 21				
	>1 box Surgical blade Size 10				
	>1 box Surgical blade Size 11				
	>30 pcs. Mayo Dissecting scissors Stainless steel material, straight bladed scissors				
	>30 pcs. Mayo dissecting scissors Stainless steel material, Curved bladed scissors				
	>5 pcs. Push carts Stainless steel With wheels 30inches height 3 layers				
	5pcs. Sedgewick-Rafter Counting Cell				
	Item Specification				
	Material: Brass and Glass				
	Lenght (") 3				
	Sample volume: 1.0 ml, cell size 50x201x1mm				
	Width(cm): 2.54				
	Lenght (cm): 7.62				
	Description: Gridded Sedgewick-Rafter Counting Cell, brass, 1.0ml				
281	<b>Methyl orange, Sodium salt</b>	btl	1	2,000.00	2,000.00
	☑25g per bottle				
	☑Orange Solid, Crystalline				
	☑Analytical Grade				
282	<b>Microscope with Camera Lucida with Storage Cabinet</b>	unit	1	150,000.00	150,000.00
	Stereo microscope with drawing tube (camera lucida) and dry storage cabinet				
	Specification:				
	Zoom ratio: 10:1				
	Zoom range: 0.75x-7.5x				
	Zoom control: Dual, graduated, bilateral amount				
	Focus: Course and fine focus				
	Magnification: 7x-45x (10x eyepieces)				
	Viewing head: Tilting ergonomic binocular viewing head				
	Revolving nosepiece: manual, standard type				
	Extendable Eyepoint adjuster: yes				
	Camera port: yes, camera mount adapter				
	Attachment for drawing tube: yes				
	Drawing tube or camera lucida: yes, detachable				
	Transmitted light stand: yes - brightfield/darkfield light base				
	Primary light: 6V 30W				
	Accessory light: 6V 30W				



	Light type: Halogen				
	Stage plate: clear and black				
	Objective dust cover: yes				
	Power cord: yes				
<b>283</b>	<b>Mixing bowl Stainless Steel</b>	<b>pc</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	Features: 1. Made of premium stainless steel, shiny, scratch-resistant, rust-resistant. 2. It won't stain or absorb odors, size: 5L, 12 cm Hx26cmHx26cmWx26cmD				
<b>284</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>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	500grams per bottle, AR;				
<b>285</b>	<b>Nerve Muscle Assembly/ Kymograph Assembly</b>	<b>unit</b>	<b>1</b>	<b>100,000.00</b>	<b>100,000.00</b>
	Specification:				
	Universal Kymograph (speeds 0.12, 0.25, 1.25, 2.5, 12.5, 25, 320, 640 mm/sec) with inbuilt Stimulator				
	Muscle and heart Bath with pair of electrodes, lever assembly, pin and ink marker				
	Hook and weight set, set of 11g				
	Hook and weight set, set of 110g				
	Time marker				
	Marriote bottle and stand				
	Kymograph paper				
	Dissection box				
	Dissection tray				
	Pithing needle				
	Muscle clip				
	Connecting wire				
<b>286</b>	<b>Paraformaldehyde</b>	<b>btl</b>	<b>1</b>	<b>9,500.00</b>	<b>9,500.00</b>
	☑Reagent or analytical grade				
	☑Crystalline form				
	☑Bottle of 25g				
<b>287</b>	<b>Pasteur pipette</b>	<b>pc</b>	<b>45</b>	<b>50.00</b>	<b>2,250.00</b>
	Specifications				
	230mm Overall Length, 108mm Tip Length, 120 mm Body Length,				
	Type 1 Clear Glass				
	Non-sterile				
	Max dispensing volume : 2mL				
	No graduations				
<b>288</b>	<b>pH / Temperature Laboratory Bench Meter</b>	<b>unit</b>	<b>1</b>	<b>29,000.00</b>	<b>29,000.00</b>
	◀Automatic Temperature Compensation (ATC) for good accuracy under fluctuating temperatures				
	◀Easy to read large custom LCD				
	◀Easy and Quick Push-button Calibration				
	◀7 memorized buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01 and 12.45) for calibration				
	◀Messages on the LCD to make the calibration easy and accurate				
	◀User-selectable "calibration time out" to remind when a new calibration is necessary				



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



	Higher-frequency, capacitive circuit improves accuracy				
	Moisture range: 5% to 40% depending on grain tested				
	Temperature range: 32° to 113°F (0° to 45°C)				
	Repeatability & Accuracy: ± 0.5% in normal moisture range for stored grain				
	Single-point or Precision multi-point calibration to match local elevator				
	Direct readout for 40 different grain scales				
	Case color: Black				
	Material: Plastic				
	Power source: Battery-powered				
	Voltage: 9 Volts				
	Certification: certified frustration-free				
	Battery included: yes				
	Includes Protective carrying case with shoulder strap with warranty				
<b>294</b>	<b>Portable Suction Machine</b>	<b>unit</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	Suction Machine				
	Power voltage: 220v/60Hz				
	Lightweight and Portable				
	For use in bronchial and oral hygiene to provide effective airway clearance and control infection				
	Oil-free Pump				
	Heavy Duty				
	Power voltage: AC 220V				
	Negative pressure: ≥0.075Mpa				
	Suction rate: ≥19L/min				
	Negative pressure regulating range:-0.013 ~ -0.07MPa(490mmHg)				
	Suction bottle: 1000ml				
	Noise:≤65dB				
	Input Power: 150VA				
	Pump Structure: Self-lubrication without oil				
	Working type: Intermission				
<b>295</b>	<b>Potassium dichromate, AR Grade</b>	<b>btl</b>	<b>2</b>	<b>5,000.00</b>	<b>10,000.00</b>
	■500 grams/poly bottle				
<b>296</b>	<b>Razor Blade, Box of 25pcs</b>	<b>box</b>	<b>1</b>	<b>200.00</b>	<b>200.00</b>
<b>297</b>	<b>Reverse transcriptase, 200000 units/ml (200units/ul) concentration, 10000 units/tube/kit</b>	<b>kit</b>	<b>1</b>	<b>20,000.00</b>	<b>20,000.00</b>
<b>298</b>	<b>RNA Extraction kit for soil samples</b>	<b>kit</b>	<b>1</b>	<b>30,000.00</b>	<b>30,000.00</b>
	50 reactions in the kit				
<b>299</b>	<b>Scalpel Blade, Stainless steel, 100 blades/box</b>	<b>box</b>	<b>3</b>	<b>500.00</b>	<b>1,500.00</b>
<b>300</b>	<b>Seliwanoff's Reagent</b>	<b>btl</b>	<b>1</b>	<b>4,000.00</b>	<b>4,000.00</b>
	Technical grade (100mL per bottle)				
<b>301</b>	<b>Shelby Tube, 2.5in Diameter X 36in Long</b>	<b>tube</b>	<b>5</b>	<b>5,000.00</b>	<b>25,000.00</b>
	Note: Size is OD. All tubes are 16 gauge steel.				
	3" and 5" tubes are galvanized				
<b>302</b>	<b>Silver Aluminum Foil Zip Lock Pouches</b>	<b>bag</b>	<b>2</b>	<b>300.00</b>	<b>600.00</b>
	Color: silver				
	Size: approx. 7*5cm , Quantity: 100pcs				





	Boil-able, freezable and reusable Not transparent, high reflection				
<b>303</b>	<b>Sodium Iodide (atleast 100g/btl)</b>	<b>btl</b>	<b>1</b>	<b>2,500.00</b>	<b>2,500.00</b>
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles				
<b>304</b>	<b>Soft Ice Cream Machine</b>	<b>unit</b>	<b>1</b>	<b>49,999.00</b>	<b>49,999.00</b>
	Voltage: 110V/60Hz				
	Total Power: 1000W				
	Ice Cream Output: 2.6-5.3 Gal / 10-20 L per Hour				
	Hopper Capacity: 1.2 Gal / 4.5 L				
	Cylinder Capacity: 0.4 Gal / 1.6 L				
	Compressor: 430W Embraco				
	Refrigerant: R290a				
	Working Temperature: 41-95 °F/ 5-35 °C				
	Product Dimensions: 21.7"x8.3"x26.8"/550x210x680 mm				
	Product Weight: 99.2 lbs / 45 kg				
<b>305</b>	<b>Strontium Chloride</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles at 500g				
<b>306</b>	<b>Taq DNA Polymerase, 5000U</b>	<b>kit</b>	<b>1</b>	<b>13,500.00</b>	<b>13,500.00</b>
	☑Certified molecular biology grade				
	☑For PCR analysis				
	☑Concentration: 5U/uL				
	☑Kit includes 25mL each of 10x PCR buffer and 50mM MgCl <sub>2</sub>				
	☑Size: 1mL				
<b>307</b>	<b>Test Tube Racks, 12mm x 12Holes</b>	<b>pc</b>	<b>5</b>	<b>1,000.00</b>	<b>5,000.00</b>
	Stainless Steel Holes Test Tube Rack				
<b>308</b>	<b>TRIS-base, pH 8, molbio grade, 500g/bot</b>	<b>btl</b>	<b>1</b>	<b>5,000.00</b>	<b>5,000.00</b>
<b>309</b>	<b>Veterinary Gas Anesthesia Machine</b>	<b>set</b>	<b>1</b>	<b>430,000.00</b>	<b>430,000.00</b>
	Suitable for animals (e.g., dogs and cats).				
	Rebreathing and non-rebreathing circuit.				
	With trolley				
	With patient monitor				
	With oxygen concentrator				
	With endotracheal tube				
	With laryngoscope				
	Soda lime and Isoflurane				
	Power: 220V supply voltage and 60Hz				
	Inclusions: Accessories, Automatic Voltage Regulator, free in-house training				
<b>310</b>	<b>Volumetric Flask 100ml</b>	<b>pc</b>	<b>2</b>	<b>1,800.00</b>	<b>3,600.00</b>
	☑100 mL (±0.01 mL)				
	☑Borosilicate glass with glass standard taper stopper,				
	☑Class A				
	☑Calibrated				



311	<b>Volumetric Flask 10ml</b>	pc	5	1300.00	6,500.00
	☑10 mL ( $\pm 0.02$ mL)				
	☑Class A				
	☑Borosilicate Glass with Glass Standard Taper Stopper				
	☑calibrated				
312	<b>Volumetric Flask 50ml</b>	pc	3	1500.00	4,500.00
	☑50mL, ( $\pm 1$ mL)				
	☑Borosilicate glass with glass standard taper stopper,				
	☑Class A				
	☑Calibrated				
313	<b>weighing pan, rectangular 260mm, 200 mm</b>	pc	10	500.00	5,000.00
314	<b>Digital Caliper</b>	pc	1	7,000.00	7,000.00
	high quality Stainless steel Vernier Calliper (millimeter and inches size) size:12"(0-300mm) high in quality genuine product Digital Calliper				
				<b>TOTAL:</b>	<b>6,351,967.00</b>

**DILBERTO O. FERRAREN**  
BAC Chairman