



BID BULLETIN 01

Date: 11 December 2023

Project Title: Supply and Delivery of Laboratory Equipment, Supplies and Chemicals (VSU-GOODS-24-09)

Location: VSU Main, Visca, Baybay City, Leyte

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

I. LIST OF REQUIREMENTS

(1st Envelope) TECHNICAL COMPONENT ENVELOPE	
<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 25% of the ABC or Php 2,050,000.00)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 2,050,000.00 and the largest of which should be at least PhP 1,025,000.00 .
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), if applicable
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 4,100,000.00)
	Or
	Committed Line of Credit (at least Php 410,000.00)
(2nd Envelope) FINANCIAL COMPONENT ENVELOPE	
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 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 **Mr. Leopoldo S. Escala Jr** at leopoldo.escala@vsu.edu.ph on or before the deadline.

III. Changes in the Bidding Documents

Original									
<p>Section I. Invitation to Bid</p> <p>5. A complete set of Bidding Documents may be acquired by interested Bidders on <i>17 October – 08 November 2023 until 1:30 PM</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, in the amount of Five Thousand Pesos (PhP 5,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</p>	<p><i>(Amendment)</i></p> <p>A complete set of Bidding Documents may be acquired by interested Bidders on 23 November – 18 December 2023 until 8:30 PM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, The amount of applicable fee will depend on the total ABC quoted as shown below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Total ABC Quoted</th> <th style="text-align: center;">Applicable Fee</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">500,000.00 and below</td> <td style="text-align: center;">500.00</td> </tr> <tr> <td style="text-align: center;">Above 500,000.00 up to 1,000,000.00</td> <td style="text-align: center;">1,000.00</td> </tr> <tr> <td style="text-align: center;">Above 1,000,000.00</td> <td style="text-align: center;">5,000.00</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 style="padding-left: 40px;">The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details:</p> <p style="padding-left: 40px;">Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to leopoldo.escala@vsu.edu.ph</p>	Total ABC Quoted	Applicable Fee	500,000.00 and below	500.00	Above 500,000.00 up to 1,000,000.00	1,000.00	Above 1,000,000.00	5,000.00
Total ABC Quoted	Applicable Fee								
500,000.00 and below	500.00								
Above 500,000.00 up to 1,000,000.00	1,000.00								
Above 1,000,000.00	5,000.00								



<p>Section II. Instructions to Bidders</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 Pink 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	Unit Price	Total Price
1	1 kb Plus DNA Ladder	btl	1	20,000.00	20,000.00
	■1ml;				
2	100 ml Type 1, class A borosilicate glass Beaker	pc	2	500.00	1,000.00
3	1000- 10000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	unit	1	23,000.00	23,000.00
	Volume Range Min (uL): 1000				
	Volume Range Max (uL): 10000				
	Accuracy (%/uL): 0.5				
	Repeatability/Precision (%/uL): 0.2				
	Autoclavable: Yes				
4	1000 ml Type 1, class A borosilicate glass Beaker	pc	2	1,000.00	2,000.00
5	125 ml Erlenmeyer flask	pc	5	500.00	2,500.00
	70980-125- 125 ml Erlenmeyer flask;				
6	125 ml Erlenmeyer flask	pc	5	500.00	2,500.00
	70980-125- 125 ml Erlenmeyer flask;				
7	2 Unit of Digital Electric Stereo Microscope with Camera Lucida	lot	1	76,000.00	76,000.00
	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				
8	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	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				



	<i>interactive model of the human body, created especially for students, teachers and healthcare professionals.</i>				
	<i>>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.</i>				
	<i>>3D fish anatomy The 3D Fish Anatomy software is an interactive model of a perch (Perca flavens) that allows for the animal internal systems to be viewed and manipulated layer by layer or simultaneously with other layers, at various zoom levels. Individual anatomical structures can be highlighted and display a caption or removed to permit viewing of deeper structures.</i>				
9	200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	pc	1	18,000.00	18,000.00
	<i>7030301016, 200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable</i>				
10	35 lab chairs , 5 aluminum shelves	lot	1	176,000.00	176,000.00
	35 pcs. Stacking Chair				
	<i>Width: 20 inches</i>				
	<i>Height: 32 1/2 inches</i>				
	<i>Arms: Without Arms</i>				
	<i>Assembled: Assemble Required</i>				
	<i>Back: With Back</i>				
	<i>Color: Black</i>				
	<i>Features: Stackable</i>				
	<i>Frame Color: Silver</i>				
	<i>Frame Material: Steel</i>				
	<i>Padded Seat: Without Padded Seat</i>				
	<i>Seat Material: Plastic</i>				
	<i>Shape: Rectangle</i>				
	<i>Style: Solid Back</i>				
	<i>Type: Chairs</i>				
	<i>Usage: Breakroom Indor</i>				
	5 pcs. 5-Layer Steel Cabinet with Glass Sliding Doors				
	<i>Product specifications</i>				
	<i>Color: Beige, Light Gray, Offwhite</i>				
	<i>Material/s Used: Ga24 Metal Sheet, Heavy Duty Ball Bearing Rollers, Powdercoated Painting Finish</i>				
	<i>Dimension (WxDxH): 900X4000X1850</i>				
11	4-Nitrophenol or p-Nitrophenol	Vial	1	6,000.00	6,000.00
	<i>Analytical standard</i>				
	<i>Powder or crystal form</i>				
	<i>HPLC suitable</i>				



	Vial of 1g				
12	Electric Compound Binocular Microscopes (5 units)	lot	1	175,000.00	175,000.00
	<i>Item Specification</i>				
	☐Objective Lenses: DIN standard Achromat 4x, 10x, 40xR, 100xR oil immersion objectives are parfocalled, parcentered, color coded and mounted in reverse facing quadruple;				
	☐Eyepieces: Wide field 10x eyepieces, FN18. Interpupillary adjustment 55-75mm. Eyepiece can be fitted with a 20mm diameter reticle				
	☐Total Magnification: 40x, 100x, 400x, 1000x				
	☐Specimen Stage: Large 125mm x 115mm stage, with built-in mechanical stage. Mechanical stage provides X-Y movement of 55mm x 75mm				
	☐Focusing: Rack and pinion coarse focus with tension adjustment, separate fine focus. Coarse focus knob control moves the stage up or down 20mm. Fine focus moves 0.2mm per				
	☐Condenser: Abbe NA 1.25 condenser with iris diaphragm and filter holder for 32mm filter				
	☐Illumination: 1W LED illumination with on/off switch with intensity control. Corded microscope is voltage sensing 100~240V				
	☐Warranty: 5-year warranty, excluding LED bulb				
	☐Includes: Dust cover and blue filter				
13	500 ml Type 1, class A borosilicate glass Beaker	pc	2	700.00	1,400.00
14	Absolute Methanol - 99.5%	btl	6	5,000.00	30,000.00
	<i>Purity (GC): ≥ 99.5 %</i>				
	<i>1 bottle contains 1 liter</i>				
15	Acetone	gal	2	1,600.00	3,200.00
	☐Acetone, Technical Grade				
	☐1gal				
16	Agar Agar (atleast 500g/btl)	btl	1	7,000.00	7,000.00
17	Agar for plant cell and tissue culture	btl	3	7,500.00	22,500.00
	<i>500 grams;</i>				
18	Agarose, molbio grade, 100g/bot	btl	1	15,000.00	15,000.00
19	Alcohol, Denatured	gal	6	2,500.00	15,000.00
20	alpha-amylase from malt	btl	1	3,500.00	3,500.00
	<i>a - Amylase</i>				
	<i>EC No. : 232-588-1 EC</i>				
	<i>index No : 647-016-00-X</i>				
	<i>Synonym : Diastase; 1,4-α-D-Glucan-glucanohydrolase</i>				
	<i>HS Code : 3507 90 62</i>				
	<i>Storage : 2 - 8°C</i>				
	<i>Shelf life : 3 years</i>				
22	Amber Reagent Bottle, 100mL	pc	2	400.00	800.00



	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 100mL				
23	Amber Reagent Bottle, 1L	pc	2	1,000.00	2,000.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 1L				
24	Amber Reagent Bottle, 250mL	pc	2	550.00	1,100.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 250mL				
25	Amber Reagent Bottle, 500mL	pc	2	750.00	1,500.00
	With Stopper/Screw Cap				
	Material: Glass/Borosilicate Glass				
	Capacity: 500mL				
26	Ammonium Chloride, Analytical Grade, 500g/btl	btl	1	1,000.00	1,000.00
	☐AR grade, 500g per bottle				
27	ammonium molybdate	btl	1	17,000.00	17,000.00
	ammonium molybdate, analytical reagent - 500 g/btl				
28	Ammonium Nitrate	kg	2	10,000.00	20,000.00
	☐AR grade; at least 98% purity				
	☐Molecular Wt. 80.043 grams per mol.				
	☐1kg/pack				
29	Ammonium nitrate (NH₄NO₃) suitable for plant cell and tissue culture	kg	2	10,000.00	20,000.00
30	Ammonium Phosphate Dibasic	btl	1	3,000.00	3,000.00
	☐Analytical Grade				
	☐500 G bottle				
31	Anhydrous Sodium Sulfate 100g	btl	1	1,000.00	1,000.00
	☐anhydrous powder, Analytical grade pure>99.9% - 100 g per bottle				
32	Autoclave Tape	pc	1	1,000.00	1,000.00
	☐turns black at 250°F,				
	☐width - ¾ inch				
	☐length- minimum of 60 yards				
33	Automatic tilt measure ,Sulphuric acid	btl	1	62,500.00	62,500.00
	Automatic tilt measure				
	with rubber stopper and storage bottle 500 ml				
	for 10 ml sulphuric acid				
34	Automatic tilt measure, Amyl alcohol	btl	1	58,000.00	58,000.00
	Automatic tilt measure Superior				
	with rubber stopper and storage bottle 250 ml				
	for 1 ml amyl alcohol				
35	Barfoed's Reagent Solution 1000mL	btl	1	5,000.00	5,000.00
	Technical Reagent Grade 1000mL per bottle				
36	Beaker, Glass, 1000mL	pc	3	1,000.00	3,000.00
	☐1000mL capacity, borosilicate glass				
37	Beaker, Glass, 100mL	pc	2	500.00	1,000.00



	☐100mL capacity, borosilicate glass				
38	Beaker, Glass, 150 mL	pc	2	380.00	760.00
	☐Low Form Beaker				
	☐Borosilicate Glass				
	☐Transparent Beaker				
	☐Thickened With Spout				
39	Beaker, Glass, 2000mL	pc	2	2,000.00	4,000.00
	☐2000mL capacity, borosilicate glass				
40	Beaker, Glass, 250mL	pc	2	400.00	800.00
	☐Low Form Beaker				
	☐Borosilicate Glass				
	☐Transparent Beaker				
	☐Thickened With Spout				
41	Beaker, Glass, 500mL	pc	4	1,000.00	4,000.00
	☐500mL capacity, borosilicate glass				
42	Beef Extract	btl	2	4,000.00	8,000.00
	500 g for microbiological work;				
43	Benedict's Solution 1000mL	btl	2	1,000.00	2,000.00
	Technical Reagent Grade 1000mL per bottle;				
44	Benzoic Acid	btl	1	3,000.00	3,000.00
	Benzoic Acid Tablet				
	Pack size: 500g				
45	Biological Safety Cabinet- Class I	set	1	165,000.00	165,000.00
	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)				
46	Bis-acrylamide	btl	1	16,300.00	16,300.00
	☐Molecular biology grade, ≥99.5% assay quality				
	☐Suitable for protein analysis and electrophoresis				
	☐Dnase-free and Rnase-free				
	☐Bottle of at least 100g				
47	Blood Lancets g.23 box of 200	box	1	2,000.00	2,000.00



48	Boiling Stone or Chips	bag	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> ☐1000pcs/bag Glass Marbles High Precision Lab Glass Beads Used in distillation to prevent liquid level boiling 				
49	Buffer Solution pH 10, 500 mL	btl	1	2,500.00	2,500.00
50	Buffer Solution pH 4, 500 mL	btl	1	2,500.00	2,500.00
51	Buffer solution, pH 7, 1000 ml.	btl	3	1,500.00	4,500.00
52	Buffered Peptone Water	btl	1	4,000.00	4,000.00
	<ul style="list-style-type: none"> ☐Pre-enrichment broth ☐used for isolation and culturing of bacteria. ☐supplied in 500g/bottle 				
53	Burette with Glass Stopcock	pc	1	4,000.00	4,000.00
	<ul style="list-style-type: none"> ☐Burette with Glass Stopcock ☐Material: Glass/Borosilicate Glass ☐Capacity: 50mL ☐For Acid 				
54	Burette with Rubber Tube, stopper and dropper	pc	1	3,800.00	3,800.00
	<ul style="list-style-type: none"> ☐Burette with Rubber Tube, stopper and dropper ☐Material: Glass/Borosilicate Glass ☐Capacity: 50mL ☐For Base 				
55	Butyrometer for milk 0-10%	pc	3	30,000.00	90,000.00
	Milk butyrometer 0 – 10 %: 0.1 (accessory: 3280),glass				
56	Calcium carbonate, AR 500g	btl	1	12,000.00	12,000.00
57	Calcium Chloride Dihydrate	btl	2	2,000.00	4,000.00
	<ul style="list-style-type: none"> ☐Branding the chemical to be purchase is following the protocol set for the project's protocol and standards ☐Chemical must be plant tissue culture tested for at least 20 years ☐ISO complaint ☐ACS REAG ☐PH EUR ☐meets USP Standards ☐Bioreagent suitable for cell culture ☐500g 				
58	Carbon Disulfide 500mL	btl	1	1,500.00	1,500.00
	Analytical Reagent Grade 500mL per bottle				
59	Carmine Powder, AR, 25g/btl	btl	2	15,000.00	30,000.00
	Carmine powder is a red compound used for staining.				
60	Centrifuge (Conical) Tubes, 15mL Capacity	pack	2	1,500.00	3,000.00
	<ul style="list-style-type: none"> ☐With graduations and marking spot. ☐Screwcap (plugseal) ☐Sterile. RNase-/DNase-free. ☐Non-pyrogenic ☐Polyethylene terephthalate (PET) material ☐At least 3600 centrifugal force (x g) 				



	☑Pack of 50 Tubes				
61	Centrifuge (Conical) Tubes, 50mL Capacity	pack	2	1,050.00	2,100.00
	☑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				
61	Centrifuge (Conical) Tubes, 50mL Capacity	pack	2	1,050.00	2,100.00
	☑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				
62	Centrifuge Rack, Multifunction	unit	2	4,000.00	8,000.00
	For storage and general-purpose				
	Fit for 10mL, 15mL, 50mL centrifuge tubes				
	The centrifuge tube rack can be disassembled and easily assembled.				
	The centrifuge tube rack after assembly has two layers				
	Holds 30 pcs of 15 mL tubes and 20 pcs of 50mL tubes				
63	Centrifuge Tube 10 mL	pack	1	1,800.00	1,800.00
	Material: Polypropylene				
	Type of the Bottom Tube: Either Conical or Free-Standing				
	Type of Cap: Flat Cap				
	Graduation: Graduated from 1.5mL to 10mL in 0.5mL segments.				
64	Centrifuge tube, 50 ml, sterile	pack	1	1,250.00	1,250.00
	polypropylene, free standing, flat screw cap, 25 pcs/pack				
65	Centrifuge tubes, 15 ml, sterile	pack	1	1,250.00	1,250.00
	polypropylene, flat screw cap, 25 pcs/pack				
66	Chlorine	gal	2	500.00	1,000.00
	Liquid;				
67	Chloroform 2.5L	btl	2	3,000.00	6,000.00
	Analytical Reagent Grade 2.5L per bottle				
68	Commercial Yogurt Machine	unit	1	49,999.00	49,999.00
	Specification				
	Item: Commercial Yogurt Machine Intelligent With Refrigeration Multifunction Winemaking Fermentation Produce Equipment Fully Automatic				
	Voltage: 220V				
	Fermentation Power: 1000W				



	Refrigeration Power: 280W				
	Size: 650*700*1850mm				
	Fermentation Temperature: 0~60 °C				
	Refrigeration Temperature: 2~8 °C				
	Capacity: 388L				
	Refrigeration Method: Air Cooling				
	Control Method: Computer Touch Screen				
69	Condom or Rubber Sheath	pc	40	110.00	4,400.00
	material: Latex rubber				
70	Custom oligo primers	unit	1	2,000.00	2,000.00
	☑HPLC-CE purified				
71	Cyclohexene	btl	1	3,500.00	3,500.00
	Analytical Reagent Grade 2.5L per bottle				
72	D-(+)-Maltose monohydrate, AR	btl	1	6,500.00	6,500.00
	Analytical Standard				
	HPLC suitable				
	Size: 500 mg per bottle				
73	Deep Freezer w/ surge protector (AVR)	unit	1	80,000.00	80,000.00
	Specifications:				
	< Rated Voltage: 230V				
	< Rated Frequency: 60Hz				
	< Rated Power Input: 216W				
	< Rated Current: 1.0A				
	< Weight: 51kgs				
	< Refrigerant/ Amount: R134a/125g				
	< Climate: T				
	< Classification of Anti- electric Shock: OI				
	< Volume-365 L				
	< Energy Consumption-1.78Kw-h/24h				
	< Stainless Steel				
	<7 cubic meters				
	< -50 degrees Celsius (Negative 50 degrees Celsius)				
	< Dual Compartment				
	< Any Color				
	< With Safety Lock				
	< Interior Light				
74	Delicate Task Wipes	box	3	800.00	2,400.00
	☑4.4 x 8.4 inches (11 x 21 cm)				
	☑at least 280 sheets/box				
	☑lint-free				
75	Dessicator, Glass	pc	1	14,000.00	14,000.00
	☑ Dessicator, Glass, 300mm (12")				
76	Dial Instant-Read Kitchen Thermometer (Bimetal)	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				
77	Digital Water Bath	unit	1	74,000.00	74,000.00
	Controller Type: Digital				
	Temperature Range: 100°C				
	Material: Stainless Steel				
	Temperature Accuracy: ±1°C				
	Shipping Weight (Metric): 2.13 kg				
	Capacity (Metric): 3.0 L				
	Includes: Cover is included				
	Power Consumption: 300W, 110V, 50 Hz				
	Shipping Weight (English): 4.7 lb.				
78	Digital Weighing Scale- 0.01-5kg	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				
79	DNA Extraction kit for plant samples	kit	1	17,000.00	17,000.00
	50 reactions in the kit				
80	DNA Extraction kit for soil samples	kit	1	24,000.00	24,000.00
	50 reactions in the kit				
81	DNA Taq polymerase, 500 U/tube/kit, with MgCl₂ and PCR buffer in the kit	kit	1	5,000.00	5,000.00
82	Drager Aspirator Bulb	pc	5	1,000.00	5,000.00
83	Drying Oven for Laboratory	unit	2	168,000.00	336,000.00
	Drying Oven				
	Item Specification				
	Stainless steel interior:				
	< Dimensions -w(A) x h(B) x d(C): 400 x 560 x 330 mm (d less 39 mm for fan)				
	< Interior- easy-to-clean interior,made of stainless steel, reinforced by deep drawn ribbing with integrated and				
	protected large-area heating on four sides				
	< Volume 74 l				
	< Max. number of internals 6				
	< Max. loading of chamber 120 kg				
	< Max. loading per internal 20 kg				
	Textured stainless steel casing:				
	< Dimensions w(D) x h(E) x d(F): 585 x 944 x 514 mm (d +56mm door handle)				
	< Housing rear zinc-plated steel				
	Electrical data				
	< Voltage - 230 V, 50/60 Hz				



	< Electrical load - approx. 2500 W				
	< Voltage - 115 V, 50/60 Hz				
	< Electrical load - approx. 1800 W				
84	Erlenmeyer Flask, Glass, 1L, good quality	pc	1	3,000.00	3,000.00
85	Erlenmeyer Flask, Glass, 250mL	pc	5	500.00	2,500.00
	☑Material: Borosilicate Glass				
	☑Good Quality				
86	Erlenmeyer Flask, Glass, 500ml	pc	2	1,000.00	2,000.00
	☑Material: Borosilicate Glass				
	☑Good Quality				
87	Erlenmeyer Flask, Glass, 500mL	pc	5	1,000.00	5,000.00
	☑500mL capacity, borosilicate glass				
88	Ethanol (Ethyl alcohol)	btl	1	4,500.00	4,500.00
	☑95%,				
	☑4 Liters,				
	☑Analytical Grade				
89	Ethanol Absolute	btl	2	2,500.00	5,000.00
	2.5 Liters/ bottle;				
90	Ethyl Alcohol (95%)	canister	3	4,000.00	12,000.00
	☑95%				
	☑Container size: Plastic waterjug (20L)				
91	Filter paper	pack	1	2,500.00	2,500.00
	Specifications:				
	-Glass microfiber filters				
	- Diameter: 47 mm				
	-Pore size: 1.2 μ m or 1.5 μ m				
	-100 pcs per pack				
92	Finepoint High Precision Forceps	pc	5	300.00	1,500.00
	☑Tip Style: Fine				
	☑Material: Stainless Steel				
	☑Length 4.5"				
93	Formaldehyde	btl	1	3,000.00	3,000.00
	Analytical Reagent Grade 2.5L per bottle;				
94	Fructose	btl	1	2,000.00	2,000.00
	Analytical Reagent Grade, 500g per bottle				
95	Gibberellic Acid 100g	btl	1	15,000.00	15,000.00
	Gibberellic Acid (GA3), 90%				
	Appearance (color) - white to off-white				
	Appearance (form) - Crystalline powder				
	Solubility (turbidity) 5% solution in Methanol clear				
96	Giemsa stain set	set	1	3,000.00	3,000.00
	Diagnostic reagents, packaging 1bx or set Giemsa 500ml, Buffer for Giemsa 500 ml				
97	Glacial Acetic Acid, Analytical Standard	btl	1	3,000.00	3,000.00
	Certified analytical standard				
	HPLC and GC suitable				
	Size: 2.5L per bottle				
98	Glass Jar 8oz	box	15	350.00	5,250.00
	☑Clear				



	☑8oz				
	☑M-7177				
	☑with cap				
	☑24pcs/box				
99	Glass Stirring Rod 12 inch, 10mm dia.	pc	5	450.00	2,250.00
	12 inch long, 10 mm diameter				
	Borosilicate Glass 10				
100	Gloves, Nitrile, Large	box	4	1,500.00	6,000.00
	☑Glove Type: Chemical Resistant Disposable Gloves				
	☑Glove Material: Nitrile				
	☑Powder-Free				
	☑1 box of 100 or 50 pairs				
	☑Food Safe				
	☑Size: large				
101	Gloves, Nitrile, Medium	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				
102	Glycerin 1L/Bottle, AR	btl	1	1,000.00	1,000.00
103	Graduated Cylinder, Glass, 1000mL	pc	2	1,500.00	3,000.00
	☑Material: Borosilicate Glass				
	☑Good Quality				
104	Graduated Cylinder, Glass, 100mL	pc	7	400.00	2,800.00
	☑Type 1, Class A Borosilicate Glass				
105	Graduated Cylinder, Glass, 250mL	pc	7	600.00	4,200.00
	☑Material: Borosilicate Glass				
	☑Good Quality				
106	Graduated Cylinder, Plastic, 1000mL	pc	2	400.00	800.00
	Plastic, 1000ml (1L) capacity for Particle Size Analysis				
107	Hemaquick Stain	set	2	4,000.00	8,000.00
108	High Precision Stainless Steel Digital Vernier Caliper	pc	5	2,500.00	12,500.00
	6 inches; 0.01-0.025 mm accuracy				
109	Hygrometer Thermometer Indoor Humidity Monitor, Temperature Humidity Meter Room Thermometer Gauge In	unit	1	2,000.00	2,000.00
	* Power supply: Station:2 x AAA 1.5V batteries(not included); Sensor: 2 x AAA 1.5V batterie(Battery not included).				
	* Backlight LCD Display				
	* with Remote Sensor				
110	Inoculating Loop Stainless Steel	pack	1	1,500.00	1,500.00



	<p>■ 10PCS per pack 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology</p>				
111	<p>Iodine-Potassium Iodide Solution, 500ml/bottle Laboratory Grade</p>	<p>btl</p>	<p>1</p>	<p>2,500.00</p>	<p>2,500.00</p>
112	<p>Laboratory Refrigerator</p>	<p>unit</p>	<p>1</p>	<p>120,000.00</p>	<p>120,000.00</p>
	<p>Temperature Control Microprocessor control, Large LED display inner temperature clearly, and with easy view The inner temperature can be adjustable at the range of 2 °C~8 °C with an increment of 0.1; Multiple sensors to display or control the temperature; The Lowest and Highest temperature recorded value record.</p>				
	<p>Safety Control Malfunction alarms: high-temperature alarm, low-temperature alarm, Power failure alarm, Door jammed, low voltage of backup battery. Over temperature alarm system, set the alarm temperature as requirements; Three alarming methods: buzzer alarming, digital flashing alarming and Remote alarm; Protection function: power-on delay, time between stops; Temperature recorder monitor system (Optional) . Refrigeration System Highly efficient famous brand compressor and fan; Forced-air circulation for large airflow with special air ducts to guarantee inner temperature consistency. Large area of the evaporator design, cooling strong and high-temperature uniformity, While effectively suppressing frost, reducing defrosting process.</p>				
	<p>CFC-Free/HCFC refrigerant.Ergonomic Design Safety door lock, preventing unauthorized access; Auto defrost function guarantees a good performance in high ambient temperature and humidity area; Wide voltage design from 192V to 242V; Inner LED lighting and caster design; No condensation glass door; Adjustable shelf design ; Foaming door is optional; Stopper on rear against back wall. Cabinet Type Vertical Climate Class ST Cooling Type Forced air cooling Defrost Mode Auto Refrigerant HC, R600a Cooling performance(°C) 4 Temperature Range(°C) 2 ~8 Controller Microprocessor Display LED Alarm Audible, Remote Interior Galvanized steel powder coating (white) Exterior Galvanized steel powder coating (white) Power Supply(V/Hz) 220/50 Power(W) 240 Capacity(L) 395 Net/Gross Weight(approx) 95/115 (kg) Interior Dimensions(W*D*H) 500×510×1550 (mm) Exterior Dimensions(W*D*H) 600×650×1785 (mm) Packing Dimensions(W*D*H) 660×710×1885 (mm) Container load (20'/40'/40'H) 27/54/54 High/Low</p>				



	Temperature Y Remote Alarm Y Power Failure Y Sensor Failure Y Low Battery Y Door Ajar Y Lockage Y Inner LED light Y Foot N Caster Y Test Hole Y Shelves/Inner Doors 6/- Foaming Door optional USB Interface Y Temperature Recorder optional				
113	Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM, 5000 mL maximum stirring capacity	unit	1	20,000.00	20,000.00
	Material of plate : ceramic coating				
	Speed(RPM) : 0-1600RPM				
	Heating Power : 600W				
	Plate Size : 19 * 19 cm				
	Heating Temperature : 350 °C				
114	Laboratory Stool/Chair, Wheeled	pc	20	4,500.00	90,000.00
	Anti-static stool				
	Adjustable height: at least 40-60 cm				
	Weight capacity: at least 300lbs				
	Ergonomic with hip to mid-waist level back support				
	With round footrest/ foot ring				
	Anti-slip seat material: Rugged polyurethane				
	No. of wheels: 5				
	Standard style w/polished aluminum base: 20"-30"				
	Seat shape: Round				
	Color: Black				
115	Laboratory working table	unit	4	58,500.00	234,000.00
	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				
116	Labware Detergent or Laboratory Dishwashing Liquid	btl	2	2,500.00	5,000.00
	☑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				
117	Lactophenol Cotton Blue 500ml/bottle	btl	1	4,000.00	4,000.00
	Stain solution for fungi.				
	500ml/bottle				
118	Lactose	btl	2	5,000.00	10,000.00
	AR. 500 grams <i>per bottle;</i>				
119	Lens Tissues, 25 Sheets per Booklet, 5 Booklets <i>per pack</i>	packs	1	1,000.00	1,000.00
120	Lithium Chloride	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				
121	Litmus Paper (Blue)	box	2	600.00	1,200.00
	Blue Litmus Test Paper				
	Strip Quantity: 100 strips <i>per box</i>				
	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)-delete				
	Weight: 0.02 lbs [9 g] (single vial)				
	Other: Stored in a pocket-sized, lightweight vial.				
	Shelf-Life: 3 Years Minimum				
122	Magnetic Bar Set	set	1	5,000.00	5,000.00
	7pcs of Mixed size PTFE Magnetic Stirrer Mixer				
	Stir Bars White Color Without Pivot Ring				
	Shape: Cylinder without Pivot Ring				
	Feature: corrosion resistance				
	Quantity: 7 pcs				
	Size: 7pcs of Mixed				
	size :C5*15mm C6*20mm C6*25mm C7*25mm				
	C9*30mm C8*35mm C7*40mm				
123	Malachite green oxalate	btl	2	3,000.00	6,000.00
	<input checked="" type="checkbox"/> reagent and microscopy grade				
	<input checked="" type="checkbox"/> 25 grams/bottle				
124	Malt Yeast Extract Agar	btl	7	2,000.00	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"/> 100 grams				
125	Mannitol (AR) 500g	pack	3	6,000.00	18,000.00
	<input checked="" type="checkbox"/> Mannitol (AR)				
	<input checked="" type="checkbox"/> Formula: C ₆ H ₁₄ O ₆				
	<input checked="" type="checkbox"/> Molecular Wt. 182.172g/mol.				
126	Manual Sphygmomanometer, Automatic Blood Pressure Monitor, Pulse Oximeter, Stop Watch, Alcohol Thermo	lot	1	100,000.00	100,000.00
	Manual Sphygmomanometer, Automatic Blood				



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



	>20 pcs. Dissection pans with wax 10x7.5 inches- Aluminum/stainless steel material				
	>5 pcs. Bone saw				
	>30 pcs. Teasing needles Stainless steel handle with a straight metal probe				
	>30 pcs. Dissecting probe Stainless steel handle with a bent needle				
	>30 pcs. Serrated forceps Stainless steel material, medium points, serrated tips -6 inches long				
	>30 pcs. Thumb forceps Stainless steel material, smooth tip				
	>30 pcs. Fine-tip forceps Stainless steel material, straight tip				
	>40 pcs. Scalpel handle (size 4) without blade Stainless steel material with satin finish				
	>2 boxes Surgical blades Size 21				
	>1 box Surgical blade Size 10				
	>1 box Surgical blade Size 11				
	>30 pcs. Mayo Dissecting scissors Stainless steel material, straight bladed scissors				
	>30 pcs. Mayo dissecting scissors Stainless steel material, Curved bladed scissors				
	>5 pcs. Push carts Stainless steel With wheels 30inches height 3 layers				
	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				
127	Marine Agar, 500g/bottle	btl	1	9,000.00	9,000.00
128	Marine Broth, 500g/bottle,AR	btl	1	8,000.00	8,000.00
129	Methyl orange, Sodium salt	btl	1	2,000.00	2,000.00
	CAS 547-58-0-delete				
	☐25g per bottle				
	☐Orange Solid, Crystalline				
	☐Analytical Grade				
130	Microcentrifuge Rack with Cover, Reversible (2 mL/ 1.5 mL)	unit	1	1,000.00	1,000.00
	☐Polypropylene (PP)				
	☐Autoclavable				
	☐Excellent rack for benchtop use or freezer storage.				
	☐Excellent chemical & temperature resistance				
	☐80/60 well rack capacities:				
	☐80-Place for 1.5 & 2.0mL tubes				



	☑60-Place for 0.5 & 0.2mL tubes				
	☑With lid or cover				
131	Microcentrifuge Tube, 2.0 ml, 1000pcs/pack, clear	pack	1	3,000.00	3,000.00
	Attach snap cap;				
132	Microcentrifuge Tubes (1.5mL Capacity)	pack	2	2,000.00	4,000.00
	☑1.5mL Capacity				
	☑clear				
	☑safe-lock				
	☑pack of 1000 tubes				
	☑autoclavable				
133	Microcentrifuge Tubes (2.0mL Capacity)	pack	2	3,000.00	6,000.00
	☑2.0mL Capacity				
	☑clear				
	☑safe-lock				
	☑pack of 1000 tubes				
	☑autoclavable				
134	MicroPipette Plus Autoclavable 100-1000ul Variable Single-Channel Pipette	unit	1	10,000.00	10,000.00
	Variable or Fixed Volume: Variable Volume				
	Volume Range Min (uL): 100				
	Volume Range Max (uL): 1000				
	Accuracy (%/uL): 0.60/0.70/2.00				
135	Micropipette Tip, 1000 uL	pack	2	1,500.00	3,000.00
	☑capacity, 1000 uL				
	☑Standard tip, graduated				
	☑Autoclavable				
	☑Pack of 1000 tips				
136	Micropipette Tip, 200 uL	pack	1	1,000.00	1,000.00
	☑capacity, 200 uL				
	☑Short tip, graduated,				
	☑Autoclavable				
	☑Pack of 1000 tips				
137	Microscope Slides and cover slips	box	16	500.00	8,000.00
	☑Pre-Cleaned Blank slides with 50pcs./box 22 x 22 mm square Cover Slip				
138	Microscope with Camera Lucida with Storage Cabinet	unit	2	75,000.00	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				
139	Mixing bowl Stainless Steel	pc	5	1,000.00	5,000.00
	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				
140	Molybdic acid (sodium salt) (Na₂MoO₄, 2H₂O) suitable for plant cell and tissue culture	btl	2	5,000.00	10,000.00
	500grams per bottle , AR;				
141	Mortar and Pestle (small), Porcelaine	pc	2	500.00	1,000.00
142	Myo-inositol suitable for plant cell and tissue culture (100gms per bottle)	btl	2	5,000.00	10,000.00
143	Nerve Muscle Assembly/ Kymograph Assembly	unit	1	100,000.00	100,000.00
	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				
144	Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g	btl	1	5,000.00	5,000.00
	☐CAS 485-47-2-delete				
	☐White solid				
	☐Analytical Grade				
145	Nitrile Gloves, Medium	box	2	1,500.00	3,000.00
	Glove Type: Chemical Resistant Disposable Gloves				
	Glove Material: Nitrile				
	Powder-Free				



	1 box of 100 or 50 pairs				
	Food Safe				
	Size: medium				
146	Nutrient Agar, 500g /Bottle	btl	2	3,000.00	6,000.00
	to be used for the culture of test organisms				
	nutrient medium used for the cultivation of microbes supporting growth of a wide range of non-fastidious organisms				
	500g bottle				
	recommended for the cultivation of less fastidious microorganisms from clinical and nonclinical samples. It can be enriched with blood or other biological fluids.				
	Ingredients:				
	Peptone - 5 gms/liter				
	HM Peptone B # - 1.50 gms/liter				
	Yeast Extract - 1.50 gms/liter				
	Sodium Chloride - 5.00 gms/liter				
	Agar - 15.00 gms/liter				
	Final pH (at 25 °C) 7.4±0.2				
	**Formula adjusted, standardized to suit performance parameters				
	*Equivalent to Beef extract				
147	Paraformaldehyde	btl	1	9,500.00	9,500.00
	☐Reagent or analytical grade				
	☐For use in the preparation of formalin fixatives for tissues or cells when the samples are to be used in fluorescence studies				
	☐Crystalline form				
	☐Bottle of 25g				
148	Pasteur pipette	pc	45	50.00	2,250.00
	Specifications				
	230mm Overall Length, 108mm Tip Length, 120 mm Body Length,				
	Type 1 Clear Glass				
	Non-sterile				
	Max dispensing volume : 2mL				
	No graduations				
149	Peptone	btl	1	2,800.00	2,800.00
	☐500g per bottle for bacteriological work				
150	Petroleum Ether, AR	gal	2	5,000.00	10,000.00
151	pH / Temperature Laboratory Bench Meter	unit	1	29,000.00	29,000.00
	◀ 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 ¹² ohm				
	◀ Power supply: 12 VDC power adaptor (supplied)				
	◀ Dimensions: 230W x 160D x 95H mm. Weight: 0.9 kg.				
152	pH Meter pen type	pc	1	2,500.00	2,500.00
	▣ 0.1 pH resolution				
	▣ water-resistant/proof				
153	Pharmaceutical Agar, AR, 500g/bottle	btl	1	3,000.00	3,000.00
154	Phenolphthalein	btl	1	2,000.00	2,000.00
	25 grams per bottle				
	Description: White crystalline powder				
155	phi25 DNA polymerase, RCA kit	kit	2	40,000.00	80,000.00
156	pH-indicator paper pH 1 - 14 Universal indicator	pack	2	500.00	1,000.00
	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: 1 pH unit				



	roll L	4.8 m , with color scale				
	pH range	1-14				
	detection method	colorimetric				
	storage temp.	15-25°C				
157	Pipette Tips (20 ul)		packs	1	1,000.00	1,000.00
	☑20 ul capacity					
	☑autoclavable					
	☑100 pcs per pack					
158	Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case		set	1	20,000.00	20,000.00
	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					
159	Portable Suction Machine		unit	1	5,000.00	5,000.00
	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					



	<i>Pump Structure: Self-lubrication without oil</i>				
	<i>Working type: Intermision</i>				
160	Potassium Acetate 500G/btl	btl	1	5,000.00	5,000.00
	<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				
161	Potassium Carbonate, 500G/btl	btl	1	5,000.00	5,000.00
	<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				
162	Potassium Chloride, AR, 1000g/btl	btl	1	5,000.00	5,000.00
163	Potassium dichromate, AR Grade	btl	2	5,000.00	10,000.00
	<input checked="" type="checkbox"/> 500 grams/poly bottle				
164	Potassium Hydroxide	btl	1	6,000.00	6,000.00
	<input checked="" type="checkbox"/> Flakes				
	<input checked="" type="checkbox"/> Analytical Grade				
	<input checked="" type="checkbox"/> 1kg/btl				
165	Potassium Iodate 500g/btl	btl	1	7,000.00	7,000.00
	<i>Analytical grade</i>				
166	Potassium iodide, KI	btl	1	7,000.00	7,000.00
	<input checked="" type="checkbox"/> Analytical reagent grade, powder, 500g/bottle				
167	Potassium Nitrate	pack	4	8,000.00	32,000.00
	<input checked="" type="checkbox"/> AR grade				
	<input checked="" type="checkbox"/> Formula: KNO ₃				
	<input checked="" type="checkbox"/> Molar wt: 101.1032 g/mo				
	<input checked="" type="checkbox"/> 1kg/ pack				
168	Potassium permanganate, ACS reagent, ≥99.0% Crystals	btl	1	8,000.00	8,000.00
	<i>100grams/bottle</i>				
169	Potassium Phosphate (KH₂PO₄) suitable for plant cell and tissue culture	btl	2	5,000.00	10,000.00
	<i>500 grams/btl</i>				
170	Potato Dextrose Agar (500g/btl)	btl	1	5,000.00	5,000.00
	<i>Powder form</i>				
171	Potato Dextrose Agar (PDA), 500 grams/btl	btl	1	5,000.00	5,000.00
172	Razor Blade, Box of 25pcs	box	1	200.00	200.00
173	Red Litmus Test Paper	Vial	2	600.00	1,200.00
	<i>Strip Quantity: 100 strips /vial</i>				
	<i>Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]</i>				
	<i>Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]</i>				
	<i>Weight: 0.02 lbs [9 g] (single vial)</i>				
	<i>Other: Stored in a pocket-sized, lightweight vial.</i>				
	<i>Shelf-Life: 3 Years Minimum</i>				
174	Reverse transcriptase, 200000 units/ml concentration, 10000 units/tube/kit	kit	1	20,000.00	20,000.00



175	RNA Extraction kit for soil samples <i>50 reactions in the kit</i>	kit	1	30,000.00	30,000.00
176	RNA Extraction kit, 50 reactions, for plant samples <i>50 contents in the kit;</i>	kit	1	20,000.00	20,000.00
177	Scalpel Blade ☑Stainless steel ☑100 blades/box	box	3	500.00	1,500.00
178	Seliwanoff's Reagent <i>Technical grade (100mL per bottle)</i>	btl	1	4,000.00	4,000.00
179	Serological Glass Pipette, 50mL <i>Autoclavable Borosilicate glass Graduation: 1mL Intervals Capacity: 50mL</i>	pc	12	2,000.00	24,000.00
180	Shelby Tube, 2.5in Diameter X 36in Long <i>Note: Size is OD. All tubes are 16 gauge steel. 3" and 5" tubes are galvanized</i>	tubes	5	5,000.00	25,000.00
181	Silver Aluminum Foil Zip Lock Pouches <i>Color: silver Size: approx. 7*5cm Quantity: 100pcs Boil-able, freezable and reusable Not transparent, high reflection</i>	bag	2	300.00	600.00
182	Sodium Bicarbonate ☑Sodium Bicarbonate Powder ◀USP Pharmaceutical Grade ◀CAS: 13-34799 ◀HIGHEST QUALITY ◀Aluminum Free ◀1-kg bottle	btl	1	5,000.00	5,000.00
183	Sodium Chloride <i>Analytical Reagent Grade 500g per bottle</i>	btl	1	2,500.00	2,500.00
184	Sodium Iodide ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottles	btl	1	2,500.00	2,500.00
185	Sodium phosphate monobasic, NaH₂PO₄ <i>Analytical grade For use as enzyme buffer and other chemical assays Bottle of at least 500g</i>	btl	1	4,000.00	4,000.00
186	Soft Ice Cream Machine <i>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</i>	unit	1	49,999.00	49,999.00



	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				
187	Sorbitol (AR) 500g/pack	pack	3	5,000.00	15,000.00
	☑Sorbitol (AR)				
	☑Chemical Formula: C6H14O				
	☑Molecular Wt. 182.172 g/mol.				
188	Stirring Rod	pc	10	300.00	3,000.00
	☑big size, => 10 inches long, fire polished ends with no policeman				
189	Strontium Chloride	btl	1	2,000.00	2,000.00
	☑Anhydrous				
	☑Lab grade/ Analytical reagent grade				
	☑Expiration date(3 years from the delivery date)				
	☑Packed in Teflon bottles				
190	Sucrose	btl	2	2,500.00	5,000.00
	Analytical Reagent Grade 500g per bottle				
191	Sulfuric acid, H2SO4	btls	1	5,000.00	5,000.00
	☑Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle				
192	Taq DNA Polymerase, 5000U	kit	1	13,500.00	13,500.00
	☑Certified molecular biology grade				
	☑For PCR analysis				
	☑Concentration: 5U/uL				
	☑Kit includes 25mL each of 10x PCR buffer and 50mM MgCl2				
	☑Size: 1mL				
193	Test Tube Racks, 12mm x 12Holes	pc	5	1,000.00	5,000.00
	Stainless Steel Holes Test Tube Rack				
194	Test Tubes, 16 x 100mm, 100 pcs/ box	box	1	5,000.00	5,000.00
	☑borosilicate glass, heat resistant, rimless				
195	Thiamine.HCl suitable for plant cell and tissue culture (25gms/btl)	btl	1	8,000.00	8,000.00
196	Three Way Pipettor (Safety Pipettor)	pc	5	7,000.00	35,000.00
	Exclusively for handling toxic or hazardous chemicals.				
	Material Rubber				
	Capacity (mL) 50				
	Standard With suction / discharge valve				
	Applicable pipette				
	outer diameter (Φmm) 5~8				
197	TRIS-base, pH 8, molbio grade, 500g/bot	btl	1	5,000.00	5,000.00
198	Vernier Caliper	pc	1	3,600.00	3,600.00
	☑Measurement Range:0-200mm				
	☑Material:Stainless Steel				
	☑Accuracy:0.01mm				
	☑Caliper Type:Digital Calipers				



199	Veterinary Gas Anesthesia Machine	set	1	430,000.00	430,000.00
	<i>Suitable for animals (e.g., dogs and cats).</i>				
	<i>Rebreathing and non-rebreathing circuit.</i>				
	<i>With trolley</i>				
	<i>With patient monitor</i>				
	<i>With oxygen concentrator</i>				
	<i>With endotracheal tube</i>				
	<i>With laryngoscope</i>				
	<i>Soda lime and Isoflurane</i>				
	<i>Power: 220V supply voltage and 60Hz</i>				
	<i>Inclusions: Accessories, Automatic Voltage Regulator, free in-house training</i>				
200	Vinyl Gloves	box	1	1,500.00	1,500.00
	<i>size: Large</i>				
	<i>100 pcs per box</i>				
	<i>powder-free</i>				
201	Vol. pipettes 10.75 ml for milk	pc	2	1,500.00	3,000.00
	<i>Volumetric pipette</i>				
	<i>with one ring mark</i>				
	<i>10.75 ml milk</i>				
	<i>glass</i>				
202	Volumetric flask	pack	1	12,000.00	12,000.00
	<i>borosilicate glass, with ground glass cover, 25 mL, Class A, 6pcs/pack, ISO 9000 compatible</i>				
203	Volumetric Flask 100ml	pc	3	1,000.00	3,000.00
	☑100 mL (± 0.01 mL)				
	☑Borosilicate glass with glass standard taper stopper,				
	☑Class A				
	☑Calibrated				
204	Volumetric Flask 10ml	pc	5	500.00	2,500.00
	☑10 mL (± 0.02 mL)				
	☑Class A				
	☑Borosilicate Glass with Glass Standard Taper Stopper				
	☑calibrated				
205	Volumetric Flask 50ml	pc	5	700.00	3,500.00
	☑50mL, (± 1 mL)				
	☑Borosilicate glass with glass standard taper stopper,				
	☑Class A				
	☑Calibrated				
206	Wash Bottle, 250mL cap.	pc	5	200.00	1,000.00
	☑Material: Plastic (good quality)				
207	Watch Glass	pack	1	1,500.00	1,500.00
	☑Material: Glass/Borosilicate Glass				
	☑Autoclavable				
	☑Outer diameter: 75 mm (7.5cm),				
	☑fits 250 mL beakers,				



	☐12pcs/pack,				
	☐good quality				
208	weighing pan, rectangular 260mm, 200 mm	pc	10	500.00	5,000.00
209	Wright Stain	btl	1	4,000.00	4,000.00
	<i>Diagnostic reagents: packaging or set Wright stain 500 ml, Buffer for Wright stain 500 ml</i>				
210	Zinc sulfate (ZnSO ₄ , 7H ₂ O) suitable for plant cell and tissue culture	btl	1	4,000.00	4,000.00
	☐molecular weight: 287.54				
	☐500grams/btl				
					4,100,000.00

DILBERTO O. FERRAREN
BAC Chairman