



BID BULLETIN 01

Date: 06 May 2022

Project Title: *Supply and Delivery of Laboratory Supplies and Chemicals (GOODS-22-26)*

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)
	or
	a. Registration Certificate (SEC, DTI or CDA)
	b. Mayor's/Business Permit
	c. Tax Clearance
<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 884,152.50)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 884,152.50 and the largest of which should be at least Php 442,076.25 .
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 1,768,305.00)
	Or
	Committed Line of Credit (at least Php 176,830.50)
(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:

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).

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

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

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

III. Changes in the Bidding Documents

Original	
Section I. Invitation to Bid 5. A complete set of Bidding Documents may be acquired by interested Bidders on <i>21 April – 17 May 2022 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, 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.	<i>(Amendment)</i> A complete set of Bidding Documents may be acquired by interested Bidders on <i>21 April – 17 May 2022 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, 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: The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means. The Bidders may deposit the payment for the bidding documents to the Visayas State University Landbank Account with the following details: Account Name: Visayas State University Fund 164 Account Number: <u>3572-1000-13</u> Then send the deposit slip to jessamine.ecleo@vsu.edu.ph
Section II. Instructions to Bidders 15. Sealing and Marking of Bids	<i>(Additional Instructions)</i> Bidders are requested to submit three (3) copies of its bid – 1 Original, Copy 1, and Copy 2. For filing purposes, the bidders are urged to use Red envelopes for its Technical and Financial Component envelopes, including the Mother (outer) Envelope.



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 No.	Description	Unit	Qty	ABC/Unit (Pesos)	Total ABC (Pesos)
1	125 ml Erlenmeyer flask	pcs	27	400.00	10,800.00
	<i>70980-125- 125 ml Erlenmeyer flask</i>				
2	95% Ethyl Alcohol, Technical Grade (Gallon)	gallon	3	800.00	2,400.00
3	Acetone	gal	2	1,600.00	3,200.00
	■ <i>Acetone, Technical Grade</i>				
	■ <i>1gal</i>				
4	Agar Agar	kilos	1	2,800.00	2,800.00
5	Alcohol, Denatured	gallons	3	600.00	1,800.00
6	Aluminum Foil Jumbo Roll	pcs	2	600.00	1,200.00
	<i>300 meters x 12 inches</i>				
7	Analytical Balance	unit	4	40,000.00	160,000.00
	<i>capacity-200 grams;</i>				
	<i>accuracy-0.001g</i>				
	<i>readability 0.001g</i>				
	<i>digital</i>				
	<i>with certificate of calibration</i>				
8	Autoclavable plastic bag	pack	1	8,000.00	8,000.00
	<i>Color: Transparent</i>				
	<i>Size: 12" x 12"</i>				
	<i>100 pcs/pack</i>				
9	Beaker, glass, 3L	pc	1	2,500.00	2,500.00
10	Bleach, liquid, 99.9% antibac, 1 gallon	gallon	3	450.00	1,350.00
11	Brush for cleaning 250mL Erlenmeyer Flask	pc	16	250.00	4,000.00
	■ <i>Bristle Color: White Bristle</i>				
	■ <i>Brush+Handle Length: 12"</i>				
	■ <i>Brush Diameter: 1 3/8"</i>				
	■ <i>Brush Length: 3 1/2"</i>				
	■ <i>Suitable for cleaning 250mL Erlenmeyer Flask</i>				
12	Buffer Solution pH 10, 500 mL	btl	2	2,500.00	5,000.00
13	Buffer Solution pH 4, 500 mL	btl	3	2,500.00	7,500.00
14	Buffer solution, pH 7, 1000 ml.	btl	2	1,000.00	2,000.00
15	Ceramic palette, round	pc	1	1,500.00	1,500.00
	<i>Material: Ceramic</i>				
	<i>Color: White</i>				
	<i>Shape: Round</i>				
	<i>Size: 1" x 7-1/4, 11 wells,</i>				
16	Chromic Acid	kl	1	1,500.00	1,500.00
	<i>flakes, Technical Grade</i>				
17	Crucible with cover	pc	20	150.00	3,000.00
	<i>porcelain container</i>				
	<i>Porcelain Crucible with Lid (High Form), 30ml</i>				
	<i>Height: 43mm</i>				
	<i>Base: 24mm Diam.</i>				
	<i>Top: 33mm Diam.</i>				
18	Digital Thermostatic Water Bath	pc	3	14,900.00	44,700.00
	■ <i>Digital Thermostatic Water Bath with 1 Chamber, 3L Capacity, RT to 100°C, 300W</i>				



	Heating Power, 0.1°C				
19	Dissolve oxygen electrode	unit	1	20,000.00	20,000.00
	DO electrode compatible with DO700 dissolved oxygen meter				
	Temperature and salinity sensor with automatic temperature and salinity compensation				
	Manual barometric pressure compensation.				
	Dissolved Oxygen Concentration: 0 to 40.00mg/L				
	Dissolved Oxygen Saturation: 0 to 200.0%				
	The pen-style electrode is easy to dip into a sample in a lab or in the field, making the DO700 an extremely versatile meter.				
	Measuring Range: (0 to 40.00) mg/L (ppm) (0 to 200.0) %				
	Resolution: 0.1/0.01 mg/L (ppm) 1/0.1 %				
	Accuracy: Meter: ±0.10 mg/L; with electrode: ±0.40 mg/L				
	Response Time: ≤30 s (25 C, 90% response)				
	Residual current: ≤0.1 mg/L				
	Temp. Compensation range: 0 to 45 C; Automatic				
	Salinity Compensation range: 0 to 45 ppt; Automatic				
	Barometric Pressure: 66 to 200 Kpa				
	Electrode type: Polarogram type				
20	Electronic Gel Rocker	pc	1	25,000.00	25,000.00
	PRODDUCT SPECIFICATION				
	Maximum: 60 RPM				
	Motor: DC Motor				
	Speed Controller: Analogue				
	Platform Size: 25 X 25 cms				
	Weight: 4kgs				
	Movement: See-Saw				
	Timer: 0- 60 min (Digital)				
	Dimension: 25 x 25 x 17.5 cms				
	Operating Voltage: 230V, 50 Hz, A.C Supply				
	Body: MS With Powder Coated Body				
21	Elisa Immuno Explorer Refill Kit	sets	3	5,800.00	17,400.00
22	Erlenmeyer Flask, Glass, 250mL	pc	12	400.00	4,800.00
	■Material: Borosilicate Glass				
	■Good Quality				
23	Ethanol Absolute	btl	3	2,500.00	7,500.00
	2.5 Liters/ bottle				
24	Filter Paper, 12.5 cm. Ashless #42 or equivalent	boxes	3	2,000.00	6,000.00
	Pore size:2.5um				
	at least 100 pcs. per box				
25	Filter Paper, 12.5 cm. Ashless #42 or equivalent	boxes	17	2,000.00	34,000.00
	Pore size:2.5um				
	at least 100 pcs. per box				
26	Glacial Acetic Acid	btl	2	3,500.00	7,000.00
	■Analytical Reagent grade 2.5L per bottle				
27	Glass Vials 2ml	set	1	800.00	800.00
	■100Pcs/Set 2ml Graduated Clear Sample Vials Autosampler Vials Bottles Threaded Vial				



	w/ Write-on Spot Screw Caps Septa				
28	Global Positioning System (GPS)	unit	1	25,000.00	25,000.00
	Specifications: 4-inch dual-orientation, glove-friendly touchscreen display; 8 megapixel autofocus camera; automatically geotags photos; tracks both GPS and GLONASS satellites; 1-year birdsEye Satellite Imagery subscription; 3-axis compass with barometric altimeter				
29	Gloves, Nitrile, Large	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: large				
30	Gloves, Nitrile, Medium	box	1	500.00	500.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: Medium				
31	Gloves, Nitrile, Small	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: Small				
32	Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs./pack	packs	2	1,500.00	3,000.00
	☐Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm				
33	Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs./pack	packs	1	700.00	700.00
	☐Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm				
34	Graduated Cylinder, Plastic, 1000mL	pcs.	5	400.00	2,000.00
	Plastic, 1000ml (1L) capacity for Particle Size Analysis				
35	Hydrochloric acid, HCl	btls	3	1,000.00	3,000.00
	Analytical reagent grade, concentrated, 2.5L/bottle				
36	IDEA Kit-Inquiry Dye Electrophoresis Activity	sets	3	4,500.00	13,500.00
37	Laboratory Hot Plate Magnetic Stirrer, 0-1600 RPM, 5000 mL maximum stirring capacity	unit	1	15,000.00	15,000.00
	Material of plate : ceramic coating				
	Speed(RPM) : 0-1600RPM				
	Heating Power : 600W				
	Plate Size : 19 * 19 cm				
	Heating Temperature : 350°C				



38	Microscope glass slide - frosted end	box	4	300.00	1,200.00
	Material: Brosillicate glass				
	Thickness: medium				
	Blurry end side of microscope glass slide				
	good quality				
	50 pcs/box				
39	Micro pipette, with stand, P10 (0.5-10ul)	unit	1	8,060.00	8,060.00
40	Micro pipette, with stand, P100 (10-100ul)	unit	1	8,060.00	8,060.00
41	Microscope Slides and cover slips	box	1	370.00	370.00
	■Pre-Cleaned Blank slides with atleast 50pcs./box 22 x 22 mm square Cover Slip,				
42	Microwaveable food grade rectangular container 750ml	pc	65	15.00	975.00
43	Nitric acid, HNO3	btls	1	3,600.00	3,600.00
	Concentrated, Analytical reagent grade, 2.5L/bottle				
44	nylon weighted rope & calibrated line, 20m	roll	2	5,000.00	10,000.00
	>Heavy Nylon line calibrated from 0 to 20 meter in 1 meter increments.				
	>Lower end of line is fitted with brush hook for attachment to sampling devices, Secchi disk, etc.				
	>w/ removable 2-lb (0.91kg) lead weight				
	>Top end of line is attached to a foam plastic float which also serve as storage reel for line				
45	Paraffin, Tissue Embedding Medium, Kg	pack	1	900.00	900.00
	Tissue Embedding Wax, Medium				
	Pure Paraffin wax with Added Polymer for precise embedding and sectioning				
46	Para-phenylenediamine	500gms	1	5,400.00	5,400.00
	*used for dyeing specimen (lichens)				
47	pGLO Bacterial Transformation Reagent Refill Kit	sets	3	4,800.00	14,400.00
48	pH Meter with complete specification	unit	4	40,000.00	160,000.00
	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)				
	Dimension (mm): 290x210x95-delete				
	Weight (kg): 1.5-delete				
49	Phosphoric acid, H3PO4	btl	1	3,000.00	3,000.00
	Analytical reagent grade, concentrated, 2.5L/bottle				
50	Plastic cellophane 5"x8"	pack	3	200.00	600.00
	Color: transparent				
	Size: 5"x8"				
	thickness: 03				
	100 pcs/pack				
51	Portable Dissolve Oxygen Meter/	unit	1	135,000.00	135,000.00



	Multimeter Kit				
	Multimeter Kit measures DO concentration/saturation, pH, mV, Temperature, Conductivity, TDS, Salinity, and Resistivity. It features automatic salinity compensation and manual barometric pressure compensation for DO measurements. In addition, it has automatic one button calibration of 4, 7 and 10 pH with a choice of three-point calibration for better accuracy and it provides automatic temperature compensation. Complete with DO probe, pH/mV/Temp electrode, polymer Conductivity cell, pH and Conductivity calibration solutions, batteries and hard carrying case.				
	• Measures Dissolved Oxygen concentration/saturation, pH, mV, Conductivity, TDS, Salinity, Resistivity and Temperature				
	• Automatic salinity compensation and manual barometric pressure compensation for DO measurements .				
	• One button pH calibration (4, 7, and 10pH)				
	• Choice of 3 point pH calibration for better accuracy				
	• One point Conductivity calibration - automatically recognizes 8 calibration solutions from USA, Europe and China series				
	• Automatic Temperature Compensation (non-linear compensation for purified water <10uS/cm to improve measuring accuracy)				
	• Memory stores up to 400 readings with series number, measured value and temperature				
	• Large blue backlit dual LCD display				
	• Auto power off saves battery life with disable function				
	• Waterproof housing				
	• Complete with DO probe, pH/mV/Temp electrode, polymer Conductivity cell, pH and Conductivity calibration solutions, batteries and hard carrying case				
	Specifications:				
	Dissolved Oxygen (Concentration)				
	Dissolved Oxygen (Saturation)				
	pH				
	mV				
	Conductivity				
	TDS				
	Salinity				
	Resistivity				
	Temperature (for pH & mV)				
	Temperature (other)				
	Range:				
	0 to 40.00mg/L				
	0 to 200.0%				
	-2.00 to 19.99pH				
	-1999 to + 1999mV				
	0.00 to 199.9mS				



	0 to 100g/L				
	0 to 100ppt				
	0 to 100M cm				
	32 to 212°F (0 to 100°C)				
	32 to 122°F (0 to 50°C)				
	Resolution				
	0.01mg/L				
	0.001				
	0.01pH				
	1mV				
	0.01μS				
	0.01mg/L				
	0.01ppt				
	0.1				
	0.1°				
	0.1°				
	Basic Accuracy				
	±1.5%FS				
	±1.5%FS				
	±0.02pH				
	±0.15mV				
	±1.5%FS				
	±1.5%FS				
	±1.5%FS				
	±1.5%FS				
	±1°F/±0.5°C				
	±1°F/±0.5°C				
	<i>Dimensions/Weight-delete</i>				
	<i>4.7x2.6x1.2" (120x65x31mm)/ 6.3oz (180g)-delete</i>				
52	Potassium Hydroxide	btl	1	4,200.00	4,200.00
	■Flakes				
	■Analytical Grade				
	■1kg				
53	Potassium iodide, KI	btl	1	2,000.00	2,000.00
	■Analytical reagent grade, powder, 500g/bottle				
54	Potassium Nitrate	kl	1	5,800.00	5,800.00
	■AR grade				
	■Formula: KNO3				
	■Molar wt: 101.1032 g/mo				
	■1kg/pack				
55	Rectangular coverslip	box	2	250.00	500.00
	Clear glass				
	Rectangular				
	W x L: 11mm X22				
	Thickness: 0.13-0.16mm				
	100 pcs/box				
56	Replacement Membrane Caps for Dissolve Oxygen Meter	set	1	7,000.00	7,000.00
	Replacement or spare Membrane Caps is a set which is for use with Extech Model DO700 Portable Dissolved Oxygen Meter. Comes in a set of three caps.				
57	Resealable Plastic Bag, Large	pack	1	500.00	500.00
	■resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack				
58	Resealable Plastic Bag, Small	pack	5	100.00	500.00
	resealable plastic bag, zip lock, 120 mm x 170				



	mm (4 1/2" x 7"), 100 pcs per pack				
59	Restriction Digestion and Analysis of Lambda DNA Kit	sets	3	7,200.00	21,600.00
60	Rubber Tubing Latex	roll	2	4,000.00	8,000.00
	rubber tubing latex 10mm outside diameter, PK-50F, 100feet/roll				
61	Scalpel Blade	box	2	280.00	560.00
	■Stainless steel				
	■100 blades/box				
62	Silica gel, self indicating, blue, 500g	btl	1	3,000.00	3,000.00
	color: blue				
	particle size (beads): 2-5mm				
	used as desiccant agent (drying agent)				
63	Sodium Hexametaphosphate, 500g	btl	5	800.00	4,000.00
64	Sodium Hydroxide, AR 500G	btls	2	1,200.00	2,400.00
	■500 g/bottle, AR, Pellets				
65	Sodium Thiosulfate, Na₂S₂O₃	btl	1	2,000.00	2,000.00
	Analytical grade, 100g/bottle				
66	Sulfuric Acid	btl	3	1,750.00	5,250.00
	■Analytical Grade (98%)				
	■2.5 Liters				
	■specific gravity 1.84				
67	Tertiary Butyl Alcohol (TBA), Technical, 1L/btl	btl	2	700.00	1,400.00
	tert-Butanol, synthesis grade				
	(CH ₃) ₃ COH				
68	Tetra Vertical Electrophoresis Cell, 4-gel	set	1	75,000.00	75,000.00
	Tetra 4-gel Vertical Electrophoresis System including:				
	Tank, lid with power cables, electrode assembly				
	Mini cell buffer dam				
	Tetra Companion Running Module				
	2 casting stands with 4 casting frames				
	5 short plates and 5 spacer plates with integrated 1.0 mm spacers				
	Five 10-well combs				
	Five gel releasers				
	TGX Stain-Free FastCast Acrylamide Starter Kit, 10%				
	PowerPac Universal Power Supply				
	SPECIFICATION				
	Number of gels: 1–4				
	Cell (tank and lid with power cables): 1				
	Companion module (to run up to 4 gels): 1				
	10-well combs: 5				
	1.0 mm spacer plates (5 plates per box): 1 box				
	Short plates (5 plates per box): 1 box				
	Casting stands: 2				
	Casting frames: 4				
	Total buffer volume for 2 gels, ml: 800				
	Total buffer volume for 4 gels, ml: 1000				
	Typical run time for SDS-PAGE: 35–45 min (at 200 V constant)				
	Power supply: PowerPac™ Universal				
	Gel format: Mini				
69	Transparent plastic jar with lid, 120ml	box	2	300.00	600.00
	material: plastic				
	Color: transparent				



	capacity: 120ml				
	10 pcs/box				
70	Transparent plastic jar with lid, 150ml	box	2	400.00	800.00
	material: plastic				
	Color: transparent				
	capacity: 150ml				
	10 pcs/box				
71	Transparent plastic jar with lid, 200ml	box	2	600.00	1,200.00
	material: plastic				
	Color: transparent				
	capacity: 200ml				
	10 pcs/box				
72	Transparent ziplock bags (20 x 30cm)	pack	2	200.00	400.00
	100 pcs/pack				
73	Triple Beam Balance	pc	1	3,500.00	3,500.00
	Capacity - 2610g				
	Readability - 0.1g				
	Repeatability - 0.2g				
	Pan size - 152mm ø				
74	Tri-power Stereo Microscope	unit	1	25,000.00	25,000.00
	■45° advance viewing head which can rotate 360°				
	■locked on 15x wide-field eye piece with diopter adjustment on one ocular tube				
	■magnification of paired objectives: 30x parfocal, 45x parcentered, and 60x achromatic				
	■led lighting				
	■rack and pinion focusing with slip clutch and tension adjustment				
	■adjustable pole mounted cycle				
	■includes a 95mm black and white reversible stage plate				
	■rugged all metal construction				
	■corded				
	■power source: 220-240 V 50/60Hz				
	■with warranty				
75	Universal Pipette Carousel Stand	unit	2	9,000.00	18,000.00
	■7-slot universal Pipette Carousel Stand				
76	Volumetric Flask 100ml	pc	12	800.00	9,600.00
	■100 mL (±0.01 mL)				
	■Borosilicate glass with glass standard taper stopper,				
	■Class A				
	■Calibrated				
77	Volumetric Flask 25mL	pcs	12	550.00	6,600.00
	■clear borosilicate glass with ground glass stopper, 25mL, Class A				
78	Volumetric Flask 50ml	pc	12	500.00	6,000.00
	■50mL, (±1mL)				
	■Borosilicate glass with glass standard taper stopper,				
	■Class A				
	■Calibrated				
79	Wash Bottle, 250mL cap.	pc	5	200.00	1,000.00
	■Material: Plastic (good quality)				
80	Blood Agar Base	btl	1	4,000.00	4,000.00
	Enrichment medium and used for the hemolysis test.				
	supplied in 500g/bottle				



81	Buffered Peptone Water	btl	1	4,000.00	4,000.00
	<i>Pre-enrichment broth</i>				
	<i>used for isolation and culturing of bacteria.</i>				
	<i>supplied in 500g/bottle</i>				
82	MacConkey Agar	btl	2	10,000.00	20,000.00
	<i>selective medium</i>				
	<i>aids in identifying non-lactose fermenters</i>				
	<i>(transparent or cream colonies) and lactose</i>				
	<i>fermenter (red to pinkish colonies)</i>				
	<i>supplied in 500g/bottle</i>				
83	Mueller Hinton Agar	btl	2	5,000.00	10,000.00
	<i>Medium used for conducting the antibiotic</i>				
	<i>sensitivity test.</i>				
	<i>supplied in 500g/bottle</i>				
84	Sodium Tellurite at least 10 grams per bottle	btl	1	4,500.00	4,500.00
	<i>Component of the Baird Parker Agar used in</i>				
	<i>identifying Staph. aureus</i>				
85	Anti-Vibration Table	unit	1	500,000.00	500,000.00
	<i>Compatibility/Purpose: Suitable for</i>				
	<i>applications in microscopy, optical path</i>				
	<i>testing, optical measurement, laser</i>				
	<i>interference, laser scanning, spectral</i>				
	<i>holographic experiments, etc.</i>				
	<i>1. Countertop Material: At least 6mm 1Cr17</i>				
	<i>high quality high magnetic permeability</i>				
	<i>stainless steel</i>				
	<i>2. Overall thickness of table: At least 100mm</i>				
	<i>3. The height of the table above the ground: At</i>				
	<i>least 800mm</i>				
	<i>4. Overall dimensions of the table</i>				
	<i>(length*width*height): At least</i>				
	<i>1200mm*900mm*800mm</i>				
	<i>5. Fixing screw hole: Table cloth M6 screw</i>				
	<i>hole array spacing of at least 25mmx25mm</i>				
	<i>6. Internal structure of the table: Honeycomb</i>				
	<i>steel structure</i>				
	<i>7. Amplitude: $\leq 1.0\mu m$</i>				
	<i>8. Countertop Flatness Accuracy: 0.02 -</i>				
	<i>0.05mm/m²</i>				
	<i>9. Surface roughness: $< 0.8\mu m$</i>				
	<i>10. Natural frequency: Vertical 1.2 ~ 1.8Hz;</i>				
	<i>Horizontal 1.2 ~ 1.8Hz</i>				
	<i>11. Load weight capacity: At least 300Kg</i>				
	<i>12. Vibration reduction efficiency:</i>				
	<i>•When the x-direction is less than 5Hz:</i>				
	<i>86% ~ 92%</i>				
	<i>•When the y-direction is less than 5Hz:</i>				
	<i>84% ~ 90%</i>				
	<i>•When the x-direction is less than 10Hz:</i>				
	<i>90% ~ 96%</i>				
	<i>•When the y-direction is less than 10Hz:</i>				
	<i>88% ~ 93%</i>				
	<i>13. Platform support method</i>				
	<i>•Built-in 4-point gas vibration device support</i>				
	<i>system,</i>				
	<i>•Automatic inflation and automatic balance,</i>				
	<i>•Imported pneumatic components,</i>				



	•Equipped with casters, easy to move,				
	•Equipped with ultra-quiet air compressor				
	14. Important Features				
	•Built-in precision air spring				
	•Vibration isolation system				
	•Automatic leveling function				
	Rebidding (from GOODS-22-12)				
86	5-Sulfosalicylic Acid Dihydrate Technical, 500g	btl	1	2,500.00	2,500.00
	■ACS reagent, ≥ 99%				
	■CAS 5965-83-3				
	■Crystalline Solid, Powder				
	■500g				
	■Technical grade				
87	Acetone, Technical Grade, 1gal	gal	1	1,600.00	1,600.00
88	Activated Charcoal suitable for plant cell and tissue culture (5g)	btl	1	2,500.00	2,500.00
89	Agar for plant cell and tissue culture (500g)	btl	1	6,000.00	6,000.00
90	Agarose (type II) suitable for plant cell and tissue culture (50g)	btl	1	9,000.00	9,000.00
91	Ammonium Acetate, AR	kgs	2	1,800.00	3,600.00
92	Ammonium Fluoride	btl	1	1,000.00	1,000.00
	■White crystalline				
	■ACS reagent, ≥98.0%				
	■500g				
93	Ammonium nitrate (NH ₄ NO ₃) suitable for plant cell and tissue culture	kg	1	5,000.00	5,000.00
94	Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)	btl	1	4,000.00	4,000.00
95	Casein hydrolyzate for tissue culture suitable for plant cell and tissue culture (100g)	btl	1	2,000.00	2,000.00
96	Cobalt chloride (CoCl ₂ , 6H ₂ O) suitable for plant cell and tissue culture	btl	1	1,600.00	1,600.00
	Molecular weight: 249.68				
	500g				
97	Colchicine suitable for plant cell and tissue culture (1g)	btl	1	15,000.00	15,000.00
98	Copper sulfate, CuSO ₄	btls	4	1,800.00	7,200.00
	■Anhydrous, Analytical reagent grade, 500g/bottle				
99	Copper Sulphate, 500 grams/pack	pack	1	500.00	500.00
100	Cupric sulfate (CuSO ₄ , 5H ₂ O) suitable for plant cell and tissue culture (500g)	btl	1	1,600.00	1,600.00
101	D-Calcium panthothenate suitable for plant cell and tissue culture (100g)	btl	1	5,600.00	5,600.00
102	EMS (Ethyl methanesulfonate) for plant genetic studies (10g)	btl	1	8,500.00	8,500.00
103	Gellan Gum, Agar substitute gelling agent suitable for plant cell and tissue culture (250g)	btl	1	15,000.00	15,000.00
104	Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)	btl	1	3,500.00	3,500.00
105	Molybdic acid (sodium salt) (Na ₂ MoO ₄ , 2H ₂ O) suitable for plant cell and tissue culture (500grams, AR)	btl	1	2,200.00	2,200.00
106	Myo-inositol suitable for plant cell and tissue culture (100gms)	btl	1	2,000.00	2,000.00



107	Portable Moisture Tester for Grain with Digital Meter Readout, Grain Tester with Carry Case	set	1	20,000.00	20,000.00
	<i>Specification:</i>				
	<i>Backlit display for nighttime use</i>				
	<i>Built-in calibration button for displaying the average of saved test results</i>				
	<i>Multi-language display</i>				
	<i>Higher-frequency, capacitive circuit improves accuracy</i>				
	<i>Moisture range: 5% to 40% depending on grain tested</i>				
	<i>Temperature range: 32° to 113°F (0° to 45°C)</i>				
	<i>Repeatability & Accuracy: ± 0.5% in normal moisture range for stored grain</i>				
	<i>Single-point or Precision multi-point calibration to match local elevator</i>				
	<i>Direct readout for 40 different grain scales</i>				
	<i>Case color: Black</i>				
	<i>Material: Plastic</i>				
	<i>Power source: Battery-powered</i>				
	<i>Voltage: 9 Volts</i>				
	<i>Certification: certified frustration-free</i>				
	<i>Battery included: yes</i>				
	<i>Includes Protective carrying case with shoulder strap</i>				
	<i>with warranty</i>				
108	Potassium Antimony Tartrate (III) Hydrate, AR, 500g	btl	1	3,000.00	3,000.00
109	Potassium Dichromate, AR Grade	btls	3	1,550.00	4,650.00
	■500 grams/poly bottle				
110	Potassium iodide (KI) suitable for plant cell and tissue culture	btl	1	2,200.00	2,200.00
	<i>Molecular weight 166</i>				
	<i>500 grams</i>				
111	Potassium Nitrate (KNO3) suitable for plant cell and tissue culture	kgs	1	5,500.00	5,500.00
	<i>1 kilogram of Potassium Nitrate</i>				
112	Resealable Plastic Bag, Large	packs	5	500.00	2,500.00
	■resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack				
113	Sodium Hydroxide, Technical grade, 1kg/pack	packs	30	100.00	3,000.00
114	Utility Gloves, Rubber, Large, Non-Sterile	pairs	6	140.00	840.00
115	Laboratory Stool/Chair, Wheeled	pc	1	4,500.00	4,500.00
	<i>Anti-static stool</i>				
	<i>Adjustable height: at least 40-60 cm</i>				
	<i>Weight capacity: at least 300lbs</i>				
	<i>Ergonomic with hip to mid-waist level back support</i>				
	<i>With round footrest/ foot ring</i>				
	<i>Anti-slip seat material: Rugged polyurethane</i>				
	<i>No. of wheels: 5</i>				
	<i>Standard style w/polished aluminum base: 20"-30"</i>				
	<i>Seat shape: Round</i>				
	<i>Color: Black</i>				
116	DELETED ITEM				



117	PET Seal Bottles/Reagent Vials	packs	10	230.00	2,300.00
	☐ EREMY1 Portable Bottle Container PET Seal Bottles Spray Bottle Pill Container Powder Container Reagent Vials Plastic Chemical Container				
	☐ Color: Clear				
	☐ Quantity: 10pcs/pack				
	☐ Type: Refillable Bottles: 15ml, 20ml, 30ml, 60ml				
118	Rectangle Microscope Glass Slide Holder Box	packs	2	270.00	540.00
	☐ Microscope 5-Slide Box				
	☐ Material : Plastic				
	☐ Each Box Can Hold 5 pieces of microscope slides				
	☐ Box Size : 8.7 x 2.8 x 1.9cm				
	☐ Fit Slide Size : 7.8x 2.6cm				
	☐ Package Weight : 100g				
	☐ Package : 10 x Microscope Slide Box				
119	Stainless Steel Thermal Insulated Flask	units	5	450.00	2,250.00
	☐ Thermal Cup Specifications:				
	☐ Keeps warm and cold, can be filled with water to keep warm				
	☐ Sealed and leak-proof, heat insulation and scalding				
	☐ Hook and handle- easy to take				
	☐ 500 mL Portable Stainless Steel Food Thermal Insulated Container				
	☐ Leakproof Thermal Cup Vacuum Flasks				
	☐ Material: 304 stainless steel+PP+PS+silicone				
	☐ Size: 15*9.6cm				
	☐ Color: yellow/blue/red				
				TOTAL:	1,768,305.00

DILBERTO O. FERRAREN
BAC Chairman