



BID BULLETIN 01

Date: 6 August 2021

Project Title: Supply and Delivery of Laboratory Chemicals and Supplies (GOODS-21-35)

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 25% of the ABC or Php 1,342,022.00)
	Or
	Statement of at least two (2) similar completed contracts w/ total amount of at least Php 1,342,022.00 and the largest of which should be at least PhP 671,011.00 .
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 and 30 days 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 5,368,088.00)
	Or
	Committed Line of Credit (at least Php 536,808.80)
(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	Amendment
5. A complete set of Bidding Documents may be acquired by interested Bidders on 26 July – 16 August 2021 until 8:30 AM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.	<p>5. A complete set of Bidding Documents may be acquired by interested Bidders on 26 July – 16 August 2021 until 8:30 AM from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Ten Thousand Pesos (PhP 10,000.00). The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.</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</p> <p>Account Number: <u>3572-1000-13</u></p> <p>Then send the deposit slip to jessamine.ecleo@vsu.edu.ph</p>



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	Total ABC
1	0.1-2.5ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	pc	1	7,000.00	7,000.00
2	0.5-10 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	pc	1	7,000.00	7,000.00
3	0.5-10 µL pipette tips (white or clear) at least 1000 pcs. per bag	bag	6	1,000.00	6,000.00
4	1 mm Stage Micrometer with 10 µm Divisions	pc	1	11,000.00	11,000.00
	■R1L3S2P-delete - 1 mm Stage Micrometer with 10 µm Divisions, 3" x 1", Soda Lime Glass				
5	1.0 um Polystyrene microspheres (5 ml)/ Catalog No.: 112-delete	pc	2	7,000.00	14,000.00
6	1.5 um Polystyrene microspheres (5 ml)/ Catalog No.: 123-delete	pc	2	7,000.00	14,000.00
7	10 ml Type 1, class A borosilicate glass Beaker	pcs	4	250.00	1,000.00
8	10 ml Type 1, class A borosilicate glass Graduated Cylinder	pcs	2	250.00	500.00
9	100 ml Type 1, class A borosilicate glass Beaker	pcs	4	500.00	2,000.00
10	100 ml Type 1, class A borosilicate glass test tube	pcs	5	100.00	500.00
11	100 mm glass petri dish	pcs	55	330.00	18,150.00
12	1000- 5000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	pc	1	7,000.00	7,000.00
13	1000 ml Type 1, class A borosilicate glass Beaker	pcs	7	1,000.00	7,000.00
14	1000 µL pipette tips (Blue or clear) at least 1000 pcs. per pack	unit	15	1000.00	15,000.00
15	100mm Funnel Short Stem, Glass	pc	1	1,190.00	1,190.00
16	10-100 ul Single Channel Pipettor, fully autoclavable	pc	1	14,950.00	14,950.00
17	125 ml Erlenmeyer flask	pcs	3	400.00	1,200.00
18	2.5 um Polystyrene microspheres (5 ml)/ Catalog No.: 139-delete	pc	2	7,000.00	14,000.00
19	200- 1000 ul Mechanical Autoclavable Pipette Single Channel Pipettor, Fully Autoclavable	pc	1	7,000.00	7,000.00
20	200 ul Standard pipette tip graduated (Yellow or clear) at least 1000 pcs. per pack	pack	11	500.00	5,500.00
21	200 µL pipette tips (Yellow or clear) at least 1000 pcs. per pack	pack	2	700.00	1,400.00
22	20-200 ul Single Channel Pipettor, fully autoclavable	pc	1	14,950.00	14,950.00
23	Delicate Task Wipes	boxes	33	800.00	26,400.00
	■4.4 x 8.4 inches (11 x 21 cm) ■280 sheets/box ■lint-free				
24	22 mm x 22 mm cover slip (0.13- 0.16 mm thickness), at least 72 pcs. per box	boxes	2	500.00	1,000.00
25	2-20 ul Single Channel Pipettor, fully autoclavable	pc	1	14,950.00	14,950.00
26	24 mm x 50mm cover glass (0.13- 0.17 mm thickness) at least 100 pcs. per box	boxes	30	200.00	6,000.00
27	25 ml Type 1, class A borosilicate glass Beaker	pcs	4	400.00	1,600.00
28	250 ml Type 1, class A borosilicate glass Beaker	pcs	2	600.00	1,200.00



29	250 mm glass stirring rod	pcs	3	125.00	375.00
30	3 layer Non-woven surgical face mask, at least 50 pcs. per box	boxes	10	200.00	2,000.00
31	4-Nitrophenol or p-Nitrophenol	Vial	1	5,615.00	5,615.00
	☐Analytical standard, Powder or crystal form, HPLC suitable Vial of 1g				
32	4-well Chamber Slide w/ removable well, Pack of at least 16	pack	1	17,200.00	17,200.00
	Suitable for mammalian cell culture, Treated for adherent cell culture				
	Molecular biology grade, Rectangular shape, clear polystyrene lid with a handle on the side for aseptic manipulations				
	Soda-lime glass material, Sterile, ready-to-use				
33	50 mL High Clarity PP Centrifuge Tube, Conical Bottom, Sterile, 25pcs/bag	bags	7	1,250.00	8,750.00
34	50 ml Type 1, class A borosilicate glass Beaker	pcs	4	400.00	1,600.00
35	500 ml Type 1, class A borosilicate glass Beaker	pcs	7	700.00	4,900.00
36	5000 ul pipette tips (Neutral), at least 1000 pcs. per pack	pack	5	2,300.00	11,500.00
37	96 well plates, polypropylene	pack	1	18,500.00	18,500.00
	96W Microplate well working volume 50-300 µL clear polypropylene wells round bottom maximum volume 355 µL DNase/RNase free Non-pyrogenic by LAL method to <0.06 EU/mL at least 100 EA per pack				
38	Acetone	gal	1	2,500.00	2,500.00
	☐Acetone, Technical Grade ☐1gal				
39	Acrylamide	btl	2	27,500.00	55,000.00
	☐Molecular biology grade, at least ≥99.0% assay quality ☐Suitable for protein analysis and electrophoresis ☐Dnase-free and Rnase-free ☐Bottle of at least 500g				
40	Adipogenesis Differentiation Kit	pack	2	28,500.00	57,000.00
	☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐Liquid form ☐≤ 50 EU/ml endotoxin level ☐High glucose ☐NO HEPES and phenol red ☐With adipogenesis supplements ☐Kit of at least 100mL basal medium and 10mL supplement				
41	Agar Agar	kilos	3	2,800.00	8,400.00
42	Alcohol Burner	btl	10	170.00	1,700.00
	☐Burner Lamp ☐Clear Glass Lab ☐150mL				
43	Alcohol, Denatured	gallons	16	500.00	8,000.00
44	Alcohol, Ethyl, 75% solution, 1 gallon	gallon	1	600.00	600.00
45	Alcohol, Ethyl, 95% (Tech)	liters	20	115.00	2,300.00
46	Alginate Acid Sodium Salt, Powder, 500g/btl	btl	7	29,250.00	204,750.00
47	Aluminum Burette Clip Titration Clamp	pc	1	500.00	500.00



48	Amber Glass Bottles with Dropper (100ml)	btls	10	150.00	1,500.00
	☐compatible with the 50 ml capacity Glass Burette materials is Aluminum				
49	Ammonium Chloride, Analytical Grade, 500g/btl	btl	1	1,500.00	1,500.00
	☐AR grade, 500g per bottle				
50	Ammonium persulfate	btl	1	4,345.00	4,345.00
	Molecular biology;at least ≥98.0% assay qualitySuitable for protein analysis, SDS-PAGE and Western blotDNases and Rnases freePhosphatases and proteases freeSolid formBottle of at least &nbsp; 25g				
51	Ammonium Phosphate Dibasic	btl	1	2,500.00	2,500.00
	☐Analytical Grade ☐500 G bottle				
52	Ammonium Sulfate 500g per bottle	btl	1	1,500.00	1,500.00
	☐Anhydrous ☐Lab grade/ Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles				
53	Analytical Balance (500/0.001 g)	pc	1	14,950.00	14,950.00
	Lab Analytical Balance Scale 0.001g				
54	Automatic Oil Press Extractor Machine (2L)	pc	1	14,950.00	14,950.00
	Automatic Oil Press Extractor Machine (220 V)				
55	Bacillus Agar Medium	btl	1	30,000.00	30,000.00
	☐Powder form ☐500 G ☐Suitable as differential medium for rapid identification of Bacillus species				
56	Beaker, Glass, 100mL	pc	24	500.00	12,000.00
	☐100mL capacity, borosilicate glass				
57	Beaker, Glass, 2000mL	pc	5	1,000.00	5,000.00
	☐2000mL capacity, borosilicate glass				
58	Beaker, Glass, 250mL	pc	12	400.00	4,800.00
	☐Low Form Beaker ☐Borosilicate Glass ☐Transparent Beaker ☐Thickened With Spout				
59	Binocular	pc	1	5,500.00	5,500.00
	☐preferably 7-10X magnification; 35-50 exit pupil ☐waterproof, fog proof, weather resistant				
60	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				
61	Boric Acid, Analytical Reagent	kgs	1	2,500.00	2,500.00
62	Bovine Calf Serum	btl	1	2,500.00	2,500.00
	☐Molecular biology grade ☐Suitable for mammalian cell culture ☐Hemoglobin, ≤35 mg/dL; ≤10 EU/mL endotoxin ☐Sterile-filtered ☐Bottle of at least 100mL				
63	Brush for cleaning 250mL Erlenmeyer Flask	pc	3	250.00	750.00



	<ul style="list-style-type: none"> ☐Bristle Color: White Bristle ☐Brush+Handle Length: 12" ☐Brush Diameter: 1 3/8" ☐Brush Length: 3 1/2" ☐Suitable for cleaning 250mL Erlenmeyer Flask 				
64	Buffer Solution pH 10, at least 500 ml	btl	1	2,500.00	2,500.00
65	Buffer Solution pH 4, at least 500 ml	btl	1	2,500.00	2,500.00
66	Buffer solution, pH 7, 1000 ml.	btl	4	1,000.00	4,000.00
67	Buffer solution, pH 9, 1000 ml.	btl	1	1,000.00	1,000.00
68	C/EBPα polyclonal antibody, unconjugated	Vial	1	35,500.00	35,500.00
	<ul style="list-style-type: none"> ☐C/EBPα polyclonal antibody, unconjugated ☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐For Western Blot, IF, ICC, IHC ☐Reactive to Human, Mouse, Rat ☐Host/Isotype: Rabbit / IgG ☐Concentration: 1 mg/mL ☐Vial of 100ug 				
69	C/EBPβ polyclonal antibody, unconjugated	Vial	1	39,000.00	39,000.00
	<ul style="list-style-type: none"> ☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐For Western Blot, IF, ICC, IHC ☐Reactive to Human, Mouse, Rat ☐Host/Isotype: Rabbit / IgG ☐Vial of at least 100ul/ug 				
70	Calcium Bromide, at least 100 grams per bottle	btl	1	2,712.00	2,712.00
	<ul style="list-style-type: none"> ☐Anhydrous ☐Lab grade/ Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles 				
71	Calcium Chloride	btl	3	2,000.00	6,000.00
	☐AR Grade, 500g				
72	Calcium Chloride Dihydrate	btl	3	2,000.00	6,000.00
	<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 				
73	Calcium Phosphate	btl	1	1,500.00	1,500.00
	<ul style="list-style-type: none"> ☐Analytical Grade ☐500 G bottle 				
74	Caspase 3 polyclonal antibody, unconjugated	Vial	1	39,000.00	39,000.00
	<ul style="list-style-type: none"> ☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐For Western Blot, IF, ICC, IHC ☐Reactive to Human, Mouse, Rat ☐Host/Isotype: Rabbit / IgG ☐Concentration: 0.5 mg/mL ☐Vial of at least 100uL/ug ☐unconjugated 				
75	Cell Counting Dye	btl	1	4,150.00	4,150.00



	<ul style="list-style-type: none"> ☐Molecular biology grade ☐Suitable for all types of cell lines ☐Microscopic counting or machine counting compatible ☐Colorimetric detection method ☐Sufficient for at least 750 counts (10 µl/count) ☐Contains at least 0.4% in 0.81% sodium chloride and 0.06% potassium phosphate dibasic solution ☐Bottle of 100mL, sterile filtered" 				
76	Cell Culture Dissociation Reagents	btl	1	9,100.00	9,100.00
	<ul style="list-style-type: none"> ☐Molecular biology grade ☐Suitable for all types of adherent cell lines ☐EDTA chelators, free of animal-derived components ☐No inhibitors needed to deactivate activity ☐Liquid form ☐Tested for In vitro bioassay ☐No phenol red ☐Bottle of 500mL 				
77	Centrifuge (Conical) Tubes, 15mL Capacity	pack	6	950.00	5,700.00
	<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 				
78	Centrifuge (Conical) Tubes, 50mL Capacity	pack	6	1,050.00	6,300.00
	<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 25 Tubes 				
79	Cesium Fluoride, at least 500g/btl.	btl	1	2,375.00	2,375.00
	<ul style="list-style-type: none"> ☐Anhydrous ☐Lab grade/ analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles 				
80	Chemiluminescence reagent	pack	1	7,100.00	7,100.00
	<ul style="list-style-type: none"> ☐Detection level: Low-picogram to high-femtogram ☐HRP (Horseradish Peroxidase) Substrate; 2°: 1:20-100K (10-50ng/mL), 1°: 1:1K (0.2- 1µg/mL) ☐Pack of 20mL 				
81	Cloth bag, pouch type	pc	75	40.00	3,000.00
	☐9x7 inch, preferably cream color				
82	Cobalt Chloride, at least 500g/btl.	btl	1	8,000.00	8,000.00
	<ul style="list-style-type: none"> ☐Anhydrous ☐Lab grade/ Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles 				
83	Cryogenic tube with screw and cap	pack	1	22,550.00	22,550.00
	☐volume 5 mL, with external thread, self-standing, RNase and DNase free, sterile, 1000 EA per pack				
84	Culture Tube, 70 mL capacity	boxes	2	14,850.00	29,700.00



	<ul style="list-style-type: none"> ☐ Rimless ☐ Borosilicate glass ☐ 25x200mm ☐ Round-bottom, 50pcs/box 				
85	DAPI Fluorescent Stain	pack	1	16,000.00	16,000.00
	<ul style="list-style-type: none"> ☐ Molecular Biology grade ☐ Mammalian cell culture suitable ☐ Cell-Impermeant ☐ Sub Cellular Localization: Nucleus ☐ Excitation/Emission: 360/460 ☐ Pack of 6 bottles x 2.5mL per bottle 				
86	Dessicator, Glass	pc	2	14,000.00	28,000.00
	☐ Dessicator, Glass, 300mm (12")				
87	Dextrose, Powder, AR, 250g/btl	btl	1	6,000.00	6,000.00
88	Dial Caliper	pc	2	3,800.00	7,600.00
	<ul style="list-style-type: none"> ☐ Dial face scales in Decimal Inch (black) and Metric (red). ☐ Hardened stainless steel throughout. ☐ Inside, outside, step and depth measurement. ☐ Raised sliding surface prevents wear and defacement of graduations. ☐ Covered, stainless steel rack. ☐ Ranges available: 6"/150mm, 8"/200mm, 12"/300mm ☐ Graduation: .001"/.02mm ☐ Shock Proof: Shock-Proof offers increased accuracy over standard gear configurations. It is equipped with a dual heavy duty springs to control anti-backlash. Backlash is the amount of clearance between mated gear teeth in the caliper controls that prevents the gear teeth from jamming. The shock proof mechanism will keep our caliper for years of continuous use 				
89	Digital thermometer with thermocouple	pc	1	12,000.00	12,000.00
	☐ Thermometer Advanced (Highly accurate thermometer (+/- 0.3% rdg. +1 C) accepts any type K or J thermocouple probes.				
90	Digital Thermostatic Water Bath	pc	1	14,900.00	14,900.00
	☐ Digital Thermostatic Water Bath with 1 Chamber, 3L Capacity, RT to 100°C, 300W Heating Power, 0.1°C				
91	Digital Ultrasonic Bath	pc	1	14,500.00	14,500.00
	<ul style="list-style-type: none"> ☐ at least 3L, Inner tank size: 240*140*100mm ☐ Product size: 265*160*225mm-delete, Heating ☐ Temperature: 20~80, Packing size: 340*245*300mm-delete 				
92	Digital Weighing Scale, 50kg	set	1	5,000.00	5,000.00
	<ul style="list-style-type: none"> ☐ 1g accuracy ☐ maximum of 50 kg ☐ materials: metal 				
93	Dimethyl sulfoxide (DMSO), MBG	btl	1	6,450.00	6,450.00
	<ul style="list-style-type: none"> ☐ Molecular Biology Grade (MBG) DMSO ☐ Suitable for Molecular Applications ☐ Nuclease-Free DMSO ☐ DNase-Free, RNase-Free, Protease-Free, Phosphatase-Free ☐ Bottle of at least 500mL 				
94	Dimethyl sulfoxide, Analytical reagent	L	2	2,500.00	5,000.00
95	Disodium Hydrogen Phosphate Heptahydrate, AR, 500g/btl	btl	3	3,000.00	9,000.00
96	Dissecting Kit	pack	2	1,100.00	2,200.00



	☐Dissecting kit (scalpel, scissors, large forceps, fine forceps, magnifying glass, and pins)				
97	Dry Heat Sterilizer, at least 28L	pc	2	9,000.00	18,000.00
	☐Product size: 265*160*225mm-delete, Heating temperature: 20~80, Packing size: 340*245*300mm-delete				
98	Erlenmeyer Flask, Glass, 1L	pc	1	3,000.00	3,000.00
99	Erlenmeyer Flask, Glass, 250mL	pc	26	400.00	10,400.00
	☐Material: Borosilicate Glass ☐Good Quality				
100	Erlenmeyer Flask, Glass, 500mL	pcs	24	1,000.00	24,000.00
	☐500ml capacity, borosilicate glass				
101	Ethanol	gallons	20	660.00	13,200.00
	☐95% solution, 1 gallon				
102	Ethanol	btls	11	2,000.00	22,000.00
	☐AR, at least 95%v/v, 4L				
103	Ethanol	btl	1	2,500.00	2,500.00
	☐Analytical Reagent Grade, Absolute, 2.5L per bottle				
104	Ethyl Acetate	btl	4	1,980.00	7,920.00
	☐Analytical Reagent Grade, 2.5L per bottle				
105	Ethyl Acetate	btl	1	3,100.00	3,100.00
	☐Analytical Reagent Grade, 2.5L per bottle				
106	Ferrous Sulphate	btl	1	2,500.00	2,500.00
	☐Analytical Grade ☐500 G bottle				
107	Fetal/Foetal Bovine Serum (FBS)	btl	4	20,000.00	80,000.00
	☐Cell culture: mammalian cell culture suitable ☐Certified Purity or Quality Grade ☐Heat inactivated ☐Endotoxin Level: ≤5 EU/mL ☐Hemoglobin level: ≤15 mg/dL ☐100 mL per bottle ☐Species: Cattle/Bovine				
108	Filter Paper	box	5	600.00	3,000.00
	☐Filter Paper No.1 ☐Qualitative Circles 125mm (12.5cm) ☐Qty/box: 100 pieces per box ☐Porosity: Medium ☐Flow Rate: Medium				
109	Filter Paper, 12.5 cm. Ashless 2.5um pore size, at least 100 pcs per box	boxes	10	1,150.00	11,500.00
110	Firing Cotton	pc	2	590.00	1,180.00
	☐Part No: 3K-FC ☐Quantity: 1 Packet of 200 threads (Per Kit), 1 Packet of 1000 threads (10 per bundle) (Sold Separately) ☐Compatibility: Automatic Bayonet Vessel / Manual Bayonet Vessel ☐Application: Used to ignite the sample in the CAL3K Vessel.				
111	Firing Wire	pc	2	525.00	1,050.00
	☐Part No: 3K-4-FW ☐Quantity: 1 Packet of 5 wires (Per Kit & Sold Separately) ☐Compatibility: Automatic Bayonet Vessel / Manual Bayonet Vessel ☐Application: Used to ignite the sample in the CAL3K Vessel.				
112	Funnel, Glass, 50mm	pc	1	1,000.00	1,000.00
113	Glacial Acetic Acid	btl	3	3,500.00	10,500.00



	☑Analytical Reagent grade 2.5L per bottle				
114	Glass Burette	pc	1	5,000.00	5,000.00
	☑50 mL capacity, with glass stopcock				
115	Glass Slides	box	40	100.00	4,000.00
	☑Glass Slide ☑72 pcs/box ☑Clear Glass 25.4x76.2mm (1"x3"), 1.2mm Thick				
116	Gloves, Nitrile, Medium	box	15	500.00	7,500.00
	☑Glove Type: Chemical Resistant Disposable Gloves ☑Glove Material: Nitrile ☑Powder-Free ☑1 box of 100 or 50 pairs ☑Food Safe ☑Size: Medium				
117	Gloves, Nitrile, Small	box	25	500.00	12,500.00
	☑box or 100-50 pairs, small ☑natural rubber latex-free, powderless ☑micro grip				
118	Glycerol	btl	1	8,450.00	8,450.00
	☑Molecular biology grade, ≥99.0% assay quality ☑Suitable for cell culture, insect cell culture, and electrophoresis ☑Dnase-free, Rnase-free, NICKase-free, and protease-free ☑Liquid form ☑Bottle of 500mL				
119	Glycerol-based liquid fluorescent mounting medium	pack	1	22,800.00	22,800.00
	☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑For cellular fluorescent imaging ☑Applied directly to fluorescently labeled cells or tissue samples on microscope slides ☑Pack of at least 5 vials with at least 2mL per vials				
120	Glycine	btl	3	7,400.00	22,200.00
	☑Molecular biology, ≥99.0% assay quality ☑Suitable for protein analysis, SDS-PAGE and Western blot ☑DNases and Rnases free ☑Phosphatases and proteases free ☑Crystalline form ☑Bottle of at least 500g				
121	Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 488-conjugated	Vial	1	18,690.00	18,690.00
	☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑Reactive to Mouse ☑Alexa Fluor® 488 conjugate ☑Liquid form ☑Concentration is 2 mg/mL ☑Vial of at least 1mg-delate at least 500ug				
122	Goat anti-Mouse IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor 647-conjugated, in liquid form	Vial	1	23,900.00	23,900.00



	<ul style="list-style-type: none"> ☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑Reactive to Mouse ☑Alexa Fluor® 647 conjugate ☑Liquid form ☑Concentration is 2 mg/mL ☑Vial of at least 1mg-delete 				
123	Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP-conjugated, in liquid form	Vial	2	20,100.00	40,200.00
	<ul style="list-style-type: none"> ☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑For Western Blot, IF, ICC, IHC ☑Host/Isotype: Goat / IgG ☑Concentration: 1.5mg/mL ☑Vial of at least 1mg-delete 				
124	Goat anti-Rabbit IgG (H+L) Secondary Antibody, HRP-conjugated, in liquid form	Vial	2	12,300.00	24,600.00
	<ul style="list-style-type: none"> ☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑For Western Blot, IF, ICC, IHC ☑Host/Isotype: Goat / IgG ☑Concentration: 1mg/mL ☑Vial of at least 1mg-delete 				
125	Grade 1 Qualitative Filter Paper, Diameter: 12.5cm, Pore Size: 11µm, at least 100 pcs per pack	packs	3	700.00	2,100.00
126	Graduated Cylinder, Glass, 1000mL (2L)-delete	pc	2	1,500.00	3,000.00
	☑Material: Borosilicate Glass☑Good Quality				
127	Graduated Cylinder, Glass, 100mL	pcs	2	400.00	800.00
	☑100mL capacityType 1, Class A Borosilicate Glass				
128	Graduated Cylinder, Glass, 250mL	pc	7	600.00	4,200.00
	☑Material: Borosilicate Glass☑Good Quality				
129	Graduated Pitcher, at least 2 liter capacity	pc	1	1,000.00	1,000.00
130	Green 0.1 um Fluorescent Polystyrene microspheres	btl	1	10,000.00	10,000.00
	☑Green 0.1 um Fluorescent Polystyrene microspheres (1 ml)/				
131	HEPES (N-2-hydroxyethylpiperazine-N-2-ethane sulfonic acid) buffer solution	btl	1	7,930.00	7,930.00
	<ul style="list-style-type: none"> ☑For use with mammalian cell and tissue extracts ☑For molecular biology, analytical grade ☑Liquid form ☑1M concentration ☑Sterile filtered ☑Bottle of 100mL 				
132	Hexane 2.5L	btl	7	2,500.00	17,500.00
	☑Analytical Reagent Grade 2.5L per bottle				
133	High Precision Magnetic Pocket Transit Geological Compass Scale	pc	2	890.00	1,780.00



	<ul style="list-style-type: none"> 0-360 degrees good finish, clear printing. Small and exquisite, lightweight and easy to carry The magnetic pointer is strong and the scale is accurate Material: Plastic Color: preferably green Size: (L x W x H) 8.3*7*3.1cm / 3.27*2.76*1.22inch-delete Needle-lock to protect the compass assembly during transit and gear driven adjustable declination to allow for simple compensated bearings. Features include a compass bubble level, clinometer level, sighting mirror with lubber line and sighting hole, induction dampened needle, and adjustable sighting points. 				
134	High Precision Stainless Steel Digital Vernier Caliper	pc	3	2,500.00	7,500.00
	6 inches; 0.01-0.025 mm accuracy				
135	Hydrophilic Membrane Filter,	per 100 pcs.	1	20,000.00	20,000.00
	<ul style="list-style-type: none"> Pore size: 0.22 um (micron) material: PTFE size range: 13 - 25 mm diameter HPLC certified - for low levels of UV-absorbing extractables 				
136	In Situ Cell Death Detection Kit, Fluorescein	pack	1	77,500.00	77,500.00
	<ul style="list-style-type: none"> Suitable for mammalian cell culture Molecular biology grade For the detection and quantification of apoptosis at the single-cell level, based on labeling of DNA strand breaks; analysis by fluorescence microscopy or flow cytometry Sufficient for at least 50 tests Kit of at least 50 tests/assays 				
137	Induction Motor	pc	1	8,000.00	8,000.00
	Voltages - 220 to 240v, 60hz, .37kw, 0.5HP				
138	Inoculating Loop Stainless Steel	packs	2	1,200.00	2,400.00
	10pcs/pack 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology				
139	Insulin, human recombinant	Vial	1	25,000.00	25,000.00
	<ul style="list-style-type: none"> cell culture mammalian: suitable sterile filtered of at least 0.2 um ≥27.5 units/mg potency dry powder, 100mg 				
140	Lab Centrifuge, 4000rpm	pc	1	14,900.00	14,900.00
	80-2-delete Lab Centrifuge, 4000rpm				
141	Lab Gown Long Sleeves L	pcs	5	500.00	2,500.00
	Lab Coat High-quality White Size- Large; long sleeves				
142	Lab Gown Long Sleeves M	pcs	3	500.00	1,500.00
	<ul style="list-style-type: none"> Lab Coat High-quality White Long Sleeves Medium size 				
143	Laboratory film	roll	5	2,000.00	10,000.00
	4 in. x 125 feet/roll, flexible, self-sealing, odorless, moisture-resistant, thermoplastic semi-transparent and practically colorless				
144	Laboratory Hot Plate Magnetic Stirrer, 1L, 0-1600 RPM	pc	1	14,500.00	14,500.00



	<ul style="list-style-type: none"> ☑ Lab hotplate magnetic stirrer, capable of heating and mixing liquid at the same time. ☑ The hot plate stirrer comes with 12*12cm aluminum plate, max. stirring capacity up to 1L, adjustable temperature 380 °C and variable speed 0-1600 rpm with two separate knob, convenient use, fast heating and high durability. 				
145	Laboratory Weighing Boats, 500pcs/pack	packs	4	1,000.00	4,000.00
	☑ 3.5 x 7.25 x 3.2"; 2.49lbs, 100ml				
146	Labware Detergent or Laboratory Dishwashing Liquid	btl	11	2,500.00	27,500.00
	<ul style="list-style-type: none"> ☑ 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 				
147	Latex Disposable Gloves Powder Free (Medium), 100 pcs or 50 pairs per box	boxes	6	600.00	3,600.00
148	LB Broth	btl	5	1,150.00	5,750.00
149	Lemongrass Essential Oil	btl	1	2,000.00	2,000.00
	☑ Lemongrass Oil (<i>Cymbopogon citratus</i> , 30 ml)				
150	Lemongrass essential Oil, 15mL	btl	1	2,000.00	2,000.00
	☑ Lemongrass Oil (<i>Cymbopogon flexuosus</i> , 15 ml)				
151	Lens Tissues, 25 Sheets per Booklet, 5 Booklets	packs	5	800.00	4,000.00
152	Lithium Bromide, 500g/bottle	btl	1	1,250.00	1,250.00
	<ul style="list-style-type: none"> ☑ Anhydrous ☑ Lab grade/ Analytical reagent grade ☑ Expiration date(3 years from the delivery date) ☑ Packed in Teflon bottles 				
153	Lithium Chloride, 500g/bottle	btl	1	7,000.00	7,000.00
	<ul style="list-style-type: none"> ☑ Anhydrous ☑ Lab grade/Analytical reagent grade ☑ Expiration date(3 years from the delivery date) ☑ Packed in Teflon bottles 				
154	Lithium Iodide, 500g/bottle	btl	1	1,050.00	1,050.00
	<ul style="list-style-type: none"> ☑ Anhydrous ☑ Lab grade/Analytical reagent grade ☑ Expiration date(3 years from the delivery date) ☑ Packed in Teflon bottles 				
155	Low Autofluorescence Immersion Oil, n = 1.518, Type F, 30 mL	btls	2	6,000.00	12,000.00
156	Magnesium chloride, MgCl₂	btl	1	3,000.00	3,000.00
	<ul style="list-style-type: none"> ☑ 1kg per bottle ☑ colorless crystalline solid ☑ Properties: <ul style="list-style-type: none"> ◀ 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.) 				
157	Magnesium Nitrate, 500g/bottle	btl	1	1,947.00	1,947.00
	<ul style="list-style-type: none"> ☑ Anhydrous ☑ Lab grade/ Analytical reagent grade ☑ Expiration date(3 years from the delivery date) ☑ Packed in Teflon bottles 				
158	Malt Yeast Extract Agar	btl	1	1,578.00	1,578.00



	<ul style="list-style-type: none"> Applications: Yeasts and molds selective enumeration, yeasts and molds selective isolation pH: 4.7±0.2 at 25°C Solubility: without rests Appearance: fine powder 100 grams 				
159	Manganese Sulphate	btl	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> Analytical Grade 500 G bottle 				
160	Methanol 2.5L	btl	3	1,200.00	3,600.00
	Analytical Reagent Grade 2.5L per bottle				
161	Methanol or Methyl alcohol	btl	4	1,950.00	7,800.00
	HPLC Grade, 2.5L per bottle				
162	Micro pipette, with stand, P10 (0.5-10ul)	unit	1	8,060.00	8,060.00
163	Micro pipette, with stand, P100 (10-100ul)	unit	1	8,060.00	8,060.00
164	Micro pipette, with stand, P1000 (200-1000ul)	unit	1	8,060.00	8,060.00
165	Microcentrifuge Tube, 0.5mL, Attached Snap Cap, Clear/ Natural	unit	3	1,200.00	3,600.00
166	Microcentrifuge Tube, 1.5mL, Attached Snap Cap, Clear/ Natural	unit	6	700.00	4,200.00
167	Microcentrifuge Tubes (1.5mL Capacity)	pack	3	1,000.00	3,000.00
	<ul style="list-style-type: none"> 1.5mL Capacity clear safe-lock pack of 1000 autoclavable 				
168	Microcentrifuge Tubes (2.0mL Capacity)	pack	3	2,000.00	6,000.00
	<ul style="list-style-type: none"> 2.0mL Capacity clear safe-lock pack of 1000 autoclavable 				
169	Micropipette Tip, 10 uL	pack	5	600.00	3,000.00
	<ul style="list-style-type: none"> 10 uL-capacity Standard tip, graduated Autoclavable Pack of 1000 tips 				
170	Microscope Eyepiece Reticle or Ocular Micrometer	pc	1	17,500.00	17,500.00
	Diameter, 24mm, 0.01 mm Division and Stage Micrometer set for calibration with 0.01 mm division				
171	Microscope Slides and cover slips	pieces	2	370.00	740.00
	Pre-Cleaned Blank slides with 100 22 x 22 mm square Cover Slip				
172	Microtube Storage Racks	pack of 10's	1	5,000.00	5,000.00
	<ul style="list-style-type: none"> 48 Place microtube and cryo-vial storage system Clear lid Fully autoclavable (122oC) and freezable (-190oC) Holds 1.5, 1.7, 2.0 ml microtubes Stackable can incorporate ice with frozen samples on bench 				
173	Mini Dry Bath	pc	1	14,500.00	14,500.00
	240V, 100°C, Digital, 4 x 6 x 4.5"-delete				
174	Mortar and Pestle (small)	pc	1	300.00	300.00
175	MTT (3-(4,5-Dimethylthiazol-2-yl)-2,5-Diphenyltetrazolium Bromide)	Vial	1	16,700.00	16,700.00



	<ul style="list-style-type: none"> ☑Molecular biology grade ☑For assessing cell viability as a function of redox potential ☑Solid form ☑Vial of at least 1g 				
176	N95 Particulate Filter Respirator and Surgical Mask	box	1	10,000.00	10,000.00
	<ul style="list-style-type: none"> ☑NIOSH and FDA approved ☑Filters 99% of particles down to 0.1 microns ☑50pcs/box ☑Free-size 				
177	N-octanol	btl	1	1,616.00	1,616.00
	<ul style="list-style-type: none"> ☑Technical grade ☑Purity: 99% ☑5 liters 				
178	Nutrient Agar, 500g	btl	7	5,455.00	38,185.00
179	Oil Red O, Biological Stain	btl	1	7,500.00	7,500.00
	<ul style="list-style-type: none"> ☑Cell culture: mammalian suitable ☑analytical grade ☑powder; 100 g per bottle ☑staining and visualizing general localization of fats 				
180	Open Reel Measuring Tape	pc	2	2,000.00	4,000.00
	<ul style="list-style-type: none"> ☑Fiberglass ☑Stainless steel frame ☑Specification: 30M/50M/100M (98ft/164ft/328ft) ☑Material: Stainless steel ☑ABS Unit: Metric/Imperial ☑Dimension: 30M: approx. 25x17x2cm 50M: approx. 31x18x2.5cm 100M: approx. 31x18x2.5cm ☑Rugged, Impact-resistant ☑Plating ruler tape/nylon ruler tape, with good clarity and wear-resistant. ☑Features Cone Tip Stake for Accurate Measurements and Stability. ☑Comes with a convenient carry handle. ☑Easy to read Metric and Imperial graduation 				
181	Ordinary Vernier Caliper	pcs	5	110.00	550.00
	<ul style="list-style-type: none"> ☑Plastic material ☑Up to 150mm measuring range ☑accuracy atleast 1mm ☑double scale measurement ☑no battery ☑Ultra precision and effortless operation. 				
182	Paraformaldehyde	btl	1	8,750.00	8,750.00
	<ul style="list-style-type: none"> ☑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 				
183	Peptone	btl	2	5,000.00	10,000.00
	☑500g for bacteriological work				
184	Perilipin 1 Polyclonal Antibody, unconjugated, in liquid form	Vial	1	38,640.00	38,640.00
	<ul style="list-style-type: none"> ☑Molecular Biology grade ☑Suitable for mammalian cell culture ☑For Western Blot, IF, ICC, IHC ☑Host/Isotype: Rabbit / IgG ☑Reactive to mouse, rat ☑Concentration: 1 mg/mL ☑Vial of at least 100uL-delete 				



185	Petri dish	pc	50	200.00	10,000.00
	<ul style="list-style-type: none"> comprise a lid and base high clarity glass borosilicate glass size: <ul style="list-style-type: none"> Cover int. dia mm : 95 Base ext. dia mm: 94 Size: 100 x 20 				
186	Petroleum Ether, AR	gallon	1	7,000.00	7,000.00
187	pH Meter pen type	pcs	2	2,500.00	5,000.00
	0.1 pH resolution water-resistant/proof				
188	Phenolphthalein Indicator Powder	btl	1	1,000.00	1,000.00
	AR grade, 125 grams				
189	PI-3 Kinase p110α antibody, unconjugated, in liquid form	Vial	1	41,400.00	41,400.00
	<ul style="list-style-type: none"> Molecular Biology grade Suitable for mammalian cell culture For Western Blot, IF, ICC, IHC Reactive to Human, Mouse, Rat Host/Isotype: Rabbit / IgG Vial of at least 100uL-delete 				
190	Picric Acid, 1Li./Bottle	btls	1	7,000.00	7,000.00
	<ul style="list-style-type: none"> Saturated, Aqueous solution Physical form: Liquid Color: Yellow Concentration or Composition Notes: <ul style="list-style-type: none"> Approximately 1.2% (w/v) Molecular Weight (g/mol): 229.104 				
191	Pikovskaya Agar, Powder, 500g/btl	btl	1	30,500.00	30,500.00
	suitable for microbiological studies				
192	Pipette Carousel Stand (17.32 x 10.24 x 4.33 inches; 1 Pound)	pc	1	6,800.00	6,800.00
	NT-STD Pipette Carousel Stand (17.32 x 10.24 x 4.33 inches; 1 Pound)				
193	Pipette Tips (20 ul)	packs	5	500.00	2,500.00
	<ul style="list-style-type: none"> 20 ul capacity autoclavable 100 pcs per pack 				
194	Plastic cup with cover	pack	1	165.00	165.00
	<ul style="list-style-type: none"> 30 ml capacity same size as fast food gravy container round shape transparent at least 60pcs cup in one pack 				
195	Portable pH Meter with Temperature probe	pc	1	14,000.00	14,000.00
196	Potassium Acetate 500g per bottle	btl	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> Anhydrous Lab grade/ Analytical reagent grade Expiration date(3 years from the delivery date) Packed in Teflon bottles 				
197	Potassium Bromide 500g per bottle	btl	1	6,000.00	6,000.00
	<ul style="list-style-type: none"> Anhydrous Lab grade/ Analytical reagent grade Expiration date(3 years from the delivery date) Packed in Teflon bottles 				
198	Potassium Carbonate 500g per bottle	btl	1	2,000.00	2,000.00



	<input type="checkbox"/> Anhydrous <input type="checkbox"/> Lab grade/ Analytical reagent grade <input type="checkbox"/> Expiration date(3 years from the delivery date) <input type="checkbox"/> Packed in Teflon bottles				
199	Potassium Chloride	kgs	1	1,500.00	1,500.00
	<input type="checkbox"/> Chemical must be plant tissue culture tested for at least 20 years <input type="checkbox"/> ISO complaint <input type="checkbox"/> ACS REAG <input type="checkbox"/> PH EUR <input type="checkbox"/> meets USP Standards <input type="checkbox"/> Bioreagent suitable for cell culture				
200	Potassium chloride (KCl) solution	btl	1	5,090.00	5,090.00
	<input type="checkbox"/> Molecular biology grade, Rnase-free <input type="checkbox"/> For use with mammalian cell and tissue extracts <input type="checkbox"/> Liquid form <input type="checkbox"/> 2M concentration <input type="checkbox"/> Bottle of 100mL				
201	Potassium Chloride, AR, 1000g	btl	3	2,500.00	7,500.00
202	Potassium Chromate 500g per bottle	btl	1	1,050.00	1,050.00
	<input type="checkbox"/> Anhydrous <input type="checkbox"/> Lab grade/ Analytical reagent grade <input type="checkbox"/> Expiration date(3 years from the delivery date) <input type="checkbox"/> Packed in Teflon bottles				
203	Potassium dihydrogen phosphate, AR, 500g	btl	1	2,500.00	2,500.00
204	Potassium Fluoride 500g per bottle	btl	1	1,832.00	1,832.00
	<input type="checkbox"/> Anhydrous <input type="checkbox"/> Lab grade/ Analytical reagent grade <input type="checkbox"/> Expiration date(3 years from the delivery date) <input type="checkbox"/> Packed in Teflon bottles				
205	Potassium Hydroxide	btl	2	4,200.00	8,400.00
	<input type="checkbox"/> CAS 1310-58-3 delete <input type="checkbox"/> Flakes <input type="checkbox"/> Analytical Grade <input type="checkbox"/> 1kg				
206	Potassium iodide, KI	btl	1	6,000.00	6,000.00
	<input type="checkbox"/> Analytical reagent grade, powder, 500g/bottle				
207	Potassium Nitrate	kl	1	5,800.00	5,800.00
	<input type="checkbox"/> AR grade <input type="checkbox"/> Formula: KNO3 <input type="checkbox"/> Molar wt: 101.1032 g/mo <input type="checkbox"/> 1kg/pack				
208	Potassium sulfate, K2SO4	btl	4	1,900.00	7,600.00
	<input type="checkbox"/> Analytical Reagent Grade 2.5L per bottle				
209	Potato Dextrose Agar (PDA), 500 grams	btl	4	4,500.00	18,000.00
210	Potato Starch	btl	3	4,000.00	12,000.00
	<input type="checkbox"/> Analytical Grade <input type="checkbox"/> 500 G bottle				
211	Potentiometer	set	1	400.00	400.00



	<ul style="list-style-type: none"> Quantity: 25pcs Model: 3296W 202 2K Ohm-delete Turns: 25 turns Power: 0.5W, 1/2W Resistive Material: Cermet Resistance Tolerance: $\pm 10\%$ Mounting Type: Through Hole Resistance Change Type: Linear Adjustment Type: Top Adjustment Storage temperature: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$ Temperature Coefficient: $\pm 100\text{ppm}/^{\circ}\text{C}$ Square Body Size: 9.5x4.8x10mm/0.37"x0.19"x0.39"(L*W*H)-delete 				
212	PPARγ polyclonal antibody, unconjugated	Vial	1	35,800.00	35,800.00
	<ul style="list-style-type: none"> Molecular Biology grade Suitable for mammalian cell culture For Western Blot, IF, ICC, IHC Reactive to Human, Mouse, Rat Host/Isotype: Rabbit / IgG Vial of 100uL 				
213	Propidium iodide - Fluorescent Stains	Vial	1	18,750.00	18,750.00
	<ul style="list-style-type: none"> Suitable for mammalian cell culture For molecular biology, analytical grade Vial of 100mg per vial 				
214	Protease Inhibitor, Complete	btl	1	59,500.00	59,500.00
	<ul style="list-style-type: none"> For use with mammalian cell and tissue extracts For molecular biology, analytical grade Inhibits serine, cysteine, and acid proteases, and aminopeptidases Contains AEBSF, Aprotinin, Bestatin, E-64, EDTA, Leupeptin Bottle for 10mL cocktail 				
215	Protein A Agarose	btl	1	59,000.00	59,000.00
	<ul style="list-style-type: none"> Molecular biology grade Suitable for purifying IgG molecules Affinity column type Supplied as a suspension Bottle of at least 5mL 				
216	Protein Standard/Ladder, Pre-stained	pack	1	21,600.00	21,600.00
	<ul style="list-style-type: none"> Molecular biology Suitable for protein analysis, SDS-PAGE and Western blot At least 12 marker ladder, ready-to-use 3.5 to 260 kDa size range Pack of at least 2 vials x 250uL per vial 				
217	PVDF membrane for Western blotting, 8.6 x 13.5 cm	pack	2	41,000.00	82,000.00
	<ul style="list-style-type: none"> PVDF-Filter paper sandwich Detection methods: Chemiluminescence, Colorimetric Pore Size: 0.45μm Target protein >20 kDa Dimension: at least 8.6 x 13.5 cm Pack of at least 16 membranes" Pre-assembled blotting membrane & filter paper 				
218	PVDF Syringe Filters, Size: 0.2 um/ at least 17mm	pack	1	10,000.00	10,000.00
	<ul style="list-style-type: none"> For general biological filtration and of samples where high protein recovery is desired Size: 0.2 um/ at least 17mm Sterile or autoclavable Pack of 1000 				
219	PVDF Syringe Filters, Size: 0.45 um/ at least 17mm	pack	1	10,000.00	10,000.00



	<ul style="list-style-type: none"> For general biological filtration and of samples where high protein recovery is desired Size: 0.45 μm/ at least 17mm Sterile or autoclavable Pack of 1000 				
220	Reagent Bottle 250mL	pcs	5	400.00	2,000.00
	Amber colored bottle with HDPE blue screw cap, 250mL				
221	Reagent Bottle 500mL	pcs	10	500.00	5,000.00
	Amber colored bottle with HDPE orange screw cap, 500mL				
222	Reagent Bottle	pc	10	300.00	3,000.00
	<ul style="list-style-type: none"> With Stopper/Screw Cap Material: Glass/Borosilicate Glass Color: Clear/Transparent Flask Capacity: 2000mL Graduation: 1800mL 				
223	Reagent Grade NaOH Pellets, 500g	packs	1	3,000.00	3,000.00
	AR grade, pellets, 500 grams				
224	Resealable Plastic Bag, Large	packs	2	500.00	1,000.00
	resealable pastic bag, zip lock, 340 mm x 450 mm (13" x 18"), 100 pcs per pack				
225	Resealable Plastic Bag, Medium	packs	3	150.00	450.00
	resealable plastic bag, zip lock, 140 mm x 200 mm (5 1/2" x 7 1/2"), 100 pcs per pack				
226	Resealable Plastic Bag, Small	packs	3	100.00	300.00
	resealable plastic bag, zip lock, 120 mm x 170 mm (4 1/2" x 7"), 100 pcs per pack				
227	RNA isolation Reagent	btl	1	45,000.00	45,000.00
	<ul style="list-style-type: none"> Molecular biology grade Suitable for biological isolation from the cultured cell, animal and plant tissue, yeast, virus, and bacteria Convenient isolation of RNA, DNA, and protein from the same sample source Bottle of at least 200mL 				
228	Scalpel Blade	box	1	280.00	280.00
	Stainless steel 100 blades/box				
229	Scalpel Handle	pcs	2	70.00	140.00
	#4, Stainless steel				
230	Sieve no.10 with cover and pan	set	1	10,000.00	10,000.00
	<ul style="list-style-type: none"> 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) 				
231	Sieve no.50 with cover and pan	sets	2	11,000.00	22,000.00
	<ul style="list-style-type: none"> Sieve No. 50 (8" Sieve, All Brass, Full Height, No. 50 Mesh); Eye opening: 300 μm (0.0118in) Sieve Pan (8" Brass Sieve Pan, 2" Deep, Full Height) Sieve Cover (8" Brass Sieve Cover Lid) 				
232	Silver	btl	1	15,000.00	15,000.00
	<ul style="list-style-type: none"> 5 G/bottle form: nanopowder (particle size: >100 nm) 99.5 trace metal basis 				
233	Silver Nitrate, AgNO3	btl	3	15,000.00	45,000.00
	Analytical regeant grade, 100g/bottle				
234	Skim Milk	btl	1	5,000.00	5,000.00



	<ul style="list-style-type: none"> ☐ Powder form ☐ 500 G ☐ Suitable for microbiology 				
235	Sodium Bromide, NaBr	btl	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> ☐ at least 250g/bottle, AR Chemical property- Sodium bromide is a colorless cubic crystal or white granular powder. It is odorless, and has slightly bitter and briny taste but high toxicity. It is easily soluble in water (at 100 °C, the solubility in 100ml water solubility is 121g), but slightly soluble in alcohol. ☐ Specifications: <ul style="list-style-type: none"> ◀ Appearance: White, Crystalline Solid ◀ Assay: ≥99% ◀ Chloride: ≤1.0% ◀ Loss on Drying: ≤0.5% ◀ Sulfate: ≤0.05% ◀ pH value: 6.5~8.5 (5% @ 72 °F) 				
236	Sodium Chloride	btl	11	800.00	8,800.00
	☐ Analytical reagent grade, 500g/bottle				
237	Sodium dodecyl sulfate (SDS)	btl	1	27,000.00	27,000.00
	<ul style="list-style-type: none"> ☐ Molecular biology grade, at least ≥99.0% assay quality ☐ Suitable for protein analysis and electrophoresis ☐ Dnase-free and Rnase-free ☐ Phosphatase-free and proteases-free ☐ Bottle of at least 500g 				
238	Sodium Hydroxide, AR 500G	btls	3	1,200.00	3,600.00
	☐ 500 g/bottle, AR, Pellets				
239	Sodium Hydroxide, Technical Grade, 1KG, Pellets	btls	2	500.00	1,000.00
	☐ Technical grade, pellets, 1 kg				
240	Sodium Iodide at least 500g per bottle	btl	1	1,702.00	1,702.00
	<ul style="list-style-type: none"> ☐ Anhydrous ☐ Lab grade/ Analytical reagent grade ☐ Expiration date(3 years from the delivery date) ☐ Packed in Teflon bottles 				
241	Sodium Nitrate, at least 500g per bottle	btl	1	527.00	527.00
	<ul style="list-style-type: none"> ☐ Anhydrous ☐ Lab grade/ Analytical reagent grade ☐ Expiration date(3 years from the delivery date) ☐ Packed in Teflon bottles 				
242	Stage Micrometer (1 mm ruled with 0.01 mm division, glass slide)	pc	1	4,500.00	4,500.00
	☐ Stage Micrometer, 1mm ruled w/ 0.01mm Div (Glass slide)				
243	Stainless Steel Crucible Tongs	pc	1	1,000.00	1,000.00
	<ul style="list-style-type: none"> ☐ 25 cm ☐ Stainless Steel 				
244	Stainless Steel Laboratory Microspatula	pieces	12	350.00	4,200.00
245	Stainless Steel Mesh Sieve, #5	pc	1	5,000.00	5,000.00
	☐ #5, 5 mm, 5.04 x 4.84 x 2.17 inches; 4.59 Ounces with cover				
246	Standard Berlese Funnel (Tullgren Funnel)	piece	1	9,500.00	9,500.00



	<ul style="list-style-type: none"> ☑Contents: * Funnel * Mesh tray * Mesh lid * 50ml collecting tube * Aluminum housing ☑Specifications: * Housing: Length 365mm x Width 365mm x Height 520mm * Funnel: Diameter 340mm x Height 350mm * Mesh tray: Diameter 300mm * Mesh lid: Diameter 335mm * Weight (including frame): 1.55kg 				
247	Standard Buffer solution	btl	1	1,500.00	1,500.00
	☑pH 4, 1000 ml; calibration certificate included				
248	Standard Method Agar (PCA)	btl	6	5,000.00	30,000.00
	☑Plate count Agar, 500g				
249	Standard Size Marble Base Titration Stand	pc	1	2,500.00	2,500.00
	☑Marble base with iron/aluminum stand for buret				
250	Sterile Syringe Filters Nylon 25 mm Diameter 0.45 um Pore Size Individually Packaged 10/pk	packs	9	2,000.00	18,000.00
251	Stirring Rod	pc	12	50.00	600.00
	<ul style="list-style-type: none"> ☑Standard Size ☑Good Quality ☑with rubber policeman 				
252	Strontium Chloride, 500g	btl	1	4,000.00	4,000.00
	<ul style="list-style-type: none"> ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottle 				
253	Strontium Nitrate, at least 500 grams per bottle	btl	1	1,050.00	1,050.00
	<ul style="list-style-type: none"> ☑Anhydrous ☑Lab grade/ Analytical reagent grade ☑Expiration date(3 years from the delivery date) ☑Packed in Teflon bottle 				
254	Sucrose	btl	2	1,500.00	3,000.00
	☑Analytical Reagent Grade 500g/bottle				
255	Sulfuric acid, H₂SO₄	btls	1	2,600.00	2,600.00
	☑Concentrated, analytical reagent grade, at least 1.84 sp. gr., 2.5L/bottle				
256	Temperature-Humidity Data Logger	piece	1	2,000.00	2,000.00
	<ul style="list-style-type: none"> ☑Portable and hand-held ☑16000 data recording capacity. ☑Adjustable record interval: 10s~24hour ☑Multi-function LCD ☑Internal NTC temperature thermal sensor with optional external sensor ☑Data export in PDF/EXCEL via data management software ☑Selectable °F/°C temperature unit ☑Size: approx. 84 (L) x 44(W) x 20 (H) mm ☑Good quality ☑Durable 				
257	Test Tube (Medium), Glass, 15 x 125mm	pc	50	250.00	12,500.00
258	Test Tube (Small), Glass, 12 x 75mm	pc	50	200.00	10,000.00
	☑12x75 mm glass (borosilicate)				
259	Test Tube Rack, 12 x 4 for 13 x 100mm test tubes	pcs	3	800.00	2,400.00
	☑Stainless steel				
260	Test Tube Rack, 13mm, 90 placer	pc	3	1,500.00	4,500.00



	☑Propylene, 13mm diameter hole, 90 placer				
261	Test Tube Rack, 20 mm x 24 tubes	pc	3	800.00	2,400.00
	☑Stainless Steel, 20 mm diameter holes, capacity 24 test tubes				
262	Test Tube Racks, 12MM x 12Holes	pcs	4	600.00	2,400.00
	☑Stainless Steel Holes Test Tube Rack				
263	Test Tube, Borosilicate Glass, Rimless, 20 x 150 mm	pcs	50	100.00	5,000.00
264	Test Tube, Glass, Graduated, 50mL	pieces	55	200.00	11,000.00
	☑with Screw Cap				
265	Test tube/ Bottle Cleaning Brush	pcs	5	100.00	500.00
266	Toluene	btl	1	7,300.00	7,300.00
	(CAS 108-88-3) ☑2.5 liters, ☑Analytical Grade ☑99.5%,				
267	Triglyceride Assay Kit (luminescence detection method)	pack	2	51,000.00	102,000.00
	☑Molecular biology grade ☑Works with lysed cells, tissues, medium and serum samples ☑No organic extraction, extreme heat, or centrifugation required ☑Linear triglyceride detection up to 80µM ☑For bioluminescent assay ☑Pack of at least 10mL total volume assay kit				
268	Triton X-100	btl	1	9,120.00	9,120.00
	☑Molecular biology grade ☑For biochemical applications to solubilize proteins ☑Liquid form ☑Bottle of 10mL per bottle				
269	Trizma base	btl	3	15,550.00	46,650.00
	☑Molecular biology grade, at least ≥99.8% assay quality ☑Suitable for cell culture ☑Dnase-free and Rnase-free ☑Phosphatase-free and proteases-free ☑Crystalline form ☑Bottle of at least 1Kg				
270	Vernier Caliper	pc	2	3,600.00	7,200.00
	☑Measurement Range:0-200mm ☑Material:Stainless Steel ☑Accuracy:0.01mm ☑Caliper Type:Digital Calipers				
271	Volumetric Flask 100ml	pc	5	800.00	4,000.00
	☑100 mL (±0.01 mL) ☑Borosilicate glass with glass standard taper stopper, ☑Class A ☑Calibrated				
272	Volumetric Flask 25mL	pcs	12	550.00	6,600.00
	☑clear borosilicate glass with ground glass stopper, 25mL, Class A				
273	Volumetric Flask 50ml	pc	5	500.00	2,500.00
	☑50mL, (±1mL) ☑Borosilicate glass with glass standard taper stopper, ☑Class A ☑Calibrated				
274	Vortex Mixer, 220V, 2800RPM	pc	1	14,000.00	14,000.00



	☐2,800 turn, bowl type; Working mode: point vibration, continuous, 30w, 150 x 105 x 115mm				
275	Wash Bottle, 250mL cap.	pc	7	200.00	1,400.00
	☐Material: Plastic (good quality)				
276	Watch Glass	pack	1	1,500.00	1,500.00
	☐Material: Glass/Borosilicate Glass ☐Autoclavable: Yes ☐Outer diameter: 75 mm (7.5cm), ☐fits 250 mL beakers, ☐12pcs/pack, ☐good quality				
277	Weighing Scale, Hanging, Analog	pc	2	3,000.00	6,000.00
	☐Readability: 0.1g to 0.0000001g ☐Accuracy: ±1% ☐Weight capacity: 0g up to 3000g				
278	Woven Filters, Nylon Mesh, 10pcs/pack	packs	2	22,200.00	44,400.00
	☐Mesh Opening: 5 um ☐Water affinity: hydrophilic ☐High Strength and Adsorption ☐30 X 30 cm sheet ☐Thickness: 100 um				
279	Yeast Extract, Powder, 250g/btl	btl	1	9,660.00	9,660.00
	☐Microbiology and molecular biology grade ☐Nonselective for coliforms				
280	Zinc Bromide	btl	1	3,467.00	3,467.00
	☐Anhydrous ☐Lab grade/Analytical reagent grade ☐Expiration date(3 years from the delivery date) ☐Packed in Teflon bottles				
281	β-actin polyclonal antibody, unconjugated	Vial	1	24,500.00	24,500.00
	☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐For Western Blot, IF, ICC, IHC ☐Reactive to Human, Mouse, Rat ☐Concentration: 1 mg/mL ☐Host/Isotype: Rabbit / IgG ☐Vial of at least 100ug"				
282	β-catenin polyclonal antibody, unconjugated	Vial	1	40,000.00	40,000.00
	☐Molecular Biology grade ☐Suitable for mammalian cell culture ☐For Western Blot, IF, ICC, IHC ☐Reactive to Human, Mouse, Rat ☐Host/Isotype: Rabbit / IgG ☐Vial of at least 500uL				
	Rebidding (GOODS-21-25)				
283	Temperature Data Logger	pcs	5	900.00	4,500.00
	☐High accuracy temperature logger				
	☐Logger can be connected to the PC				
	☐via USB for data import and export to excel or pdf.				
	☐Temperature & Humidity Monitoring				
	☐Measures material moisture				
284	Contact cleaner	pcs	10	350.00	3,500.00
	☐Anti-rust				
	☐Wet-type Lubricant				
	☐Spray-type				
	☐Penetrating-type				



	☐360ml/can				
285	Polyethylene Glycol (PEG) 6000,	btl	1	700.00	700.00
	☐250g per bottle				
286	Burette Brush	piece	2	150.00	300.00
	☐big size for 50 mL burette				
287	Filter Paper, 12.5 cm. Ashless #42, 100pcs. per box	boxes	4	1,800.00	7,200.00
288	1 kb Plus DNA Ladder	btl	1	7,700.00	7,700.00
	☐1ml per bottle				
289	Agarose LE	btl	1	5,680.00	5,680.00
	☐100g per bottle				
290	Custom oligo primers	unit	10	1,100.00	11,000.00
	☐HPLC-CE purified				
291	Delicate Task Wipes	boxes	12	400.00	4,800.00
	☐4.4 x 8.4 inches (11 x 21 cm)				
	☐280 sheets/box				
	☐lint-free				
292	PCR loading dye	unit	1	9,600.00	9,600.00
	☐10x, 1 ampule				
293	LB Broth	btl	1	1,150.00	1,150.00
	☐100g/bottle				
294	Gloves, Nitrile, Large	box	10	500.00	5,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: large				
295	Gloves, Nitrile, Medium	box	8	500.00	4,000.00
	☐Glove Type: Chemical Resistant Disposable Gloves				
	☐Glove Material: Nitrile				
	☐Powder-Free				
	☐1 box of 100 or 50 pairs				
	☐Food Safe				
	☐Size: Medium				
296	Brush Suitable for 10mL Graduated Cylinder	pc	3	200.00	600.00
	☐Bristle Material: Black Nylon				
	☐Suitable for 10mL Graduated Cylinder				
297	Brush Suitable for 50mL Graduated Cylinders	pc	3	200.00	600.00
	☐Bristle Material: Black Nylon				
	☐Suitable for 50mL Graduated Cylinder				
298	Brush Suitable for 100mL Graduated Cylinders	pc	3	200.00	600.00
	☐Bristle Material: Black Nylon				
	☐Suitable for 100mL Graduated Cylinder				
299	Water Quality Test Meter	piece	3	2,000.00	6,000.00
	☐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 at 15-20cm				
	☐Accurate reading				
	☐Good quality				



	☑Durable				
300	Temperature-Humidity Data Logger	piece	4	2,000.00	8,000.00
	☑Portable and hand-held				
	☑16000 data recording capacity.				
	☑Adjustable record interval: 10s~24hour				
	☑Multi-function LCD				
	☑Internal NTC temperature thermal sensor with optional external sensor				
	☑Data export in PDF/EXCEL via data management software				
	☑Selectable °F/°C temperature unit				
	☑Size: approx. 84 (L) x 44(W) x 20 (H) mm				
	☑Good quality				
	☑Durable				
301	Dissolved Oxygen Meter	piece	1	11,000.00	11,000.00
	☑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: at least 140x40x40mm				
	☑Pen: at least 160x13x13mm				
	☑Lead Length: at least 2930mm				
	☑Probe Length: at least 3090mm				
	☑Full Length: at least 3230mm				
	☑Weight: approximately 253g				
	☑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				
302	Laboratory Burette Stand	pc	3	1,000.00	3,000.00
	☑Standard laboratory burette stand				
	☑Good quality White PE Burette Stand				
	☑Heavy duty white polyethylene burette stand comes with a polyethylene coated metal rod which screws into the base.				



	☐ Whichever is available, with the hole in the center (center weighted) or at the short edge (edge weighted) as long as the 3 burette stands are the same (ex. if center weighted, then all 3 should be center weighted).				
303	Analytical Balance	pc	1	29,240.00	29,240.00
	☐ max capacity 120 g				
	☐ readability 0.1mg				
	☐ linearity +/- 0.2 mg				
	☐ pan size 80 mm dia				
	☐ Motor-driven built-in calibration weight				
	☐ PSC: touch-key with built-in or external weight calibration mode				
304	Reagent Bottle	pc	3	300.00	900.00
	☐ With Stopper/Screw Cap				
	☐ Material: Glass/Borosilicate Glass				
	☐ Color: Clear/Transparent Flask				
	☐ Capacity: 2000mL				
	☐ Graduation: 1800mL				
305	Brush for cleaning 250mL Erlenmeyer Flask	pc	3	250.00	750.00
	☐ Bristle Color: White Bristle				
	☐ Brush+Handle Length: 12"				
	☐ Brush Diameter: 1 3/8"				
	☐ Brush Length: 3 1/2"				
	☐ Suitable for cleaning 250mL Erlenmeyer Flask				
306	Brush Suitable for cleaning 500mL Erlenmeyer Flask	pc	3	250.00	750.00
	☐ Bristle Color: White Bristle				
	☐ Brush+Handle Length: 14"				
	☐ Brush Diameter: 1 1/2"				
	☐ Brush Length: 4"				
	☐ Suitable for cleaning 500mL Erlenmeyer Flask				
307	Multi-Functional LCD Digital Multimeter Auto Range DMM with Temperature Detector DC AC Voltage	unit	25	2,000.00	50,000.00
	☐ Large LCD display of 41mm character height				
	☐ Measure DC/AC voltage/current, diode, resistance, capacitance, temperature and continuity test.				
	☐ Max. display value: 6000.				
	☐ Can test the temperature with unit of °C / °F.				
	☐ Includes relative value testing, duty cycle test, data hold, MAX/MIN value hold and auto power off function.				
	☐ With overload protection on all ranges.				
	☐ Low battery indication and warning alarm function.				
	☐ Equipped with a back bracket for supporting multimeter, and also can collect test probe.				
	☐ Protected by rubber for drop protection.				
	☐ Great for troubleshooting automotive and household electrical problems.				
308	Activated Acid-washed Charcoal	pack	1	15,000.00	15,000.00
	☐ Chemical must be plant tissue culture tested for at least 20 years				
	☐ ISO complaint				
	☐ ACS REAG				
	☐ PH EUR				
	☐ meets USP Standards				



	<input checked="" type="checkbox"/> Bioreagent suitable for cell culture				
	<input checked="" type="checkbox"/> 2.5kg per pack				
309	Ethanol	btl	10	300.00	3,000.00
	<input checked="" type="checkbox"/> USP 95% (food grade), 2.5 L				
310	Naphthaleneacetic Acid, 5g per bottle	btl	5	3,400.00	17,000.00
	<input checked="" type="checkbox"/> Branding the chemical to be purchase is following the protocol set for the project's protocol and standards				
	<input checked="" type="checkbox"/> Chemical must be plant tissue culture tested for at least 20 years				
	<input checked="" type="checkbox"/> ISO complaint				
	<input checked="" type="checkbox"/> ACS REAG				
	<input checked="" type="checkbox"/> PH EUR				
	<input checked="" type="checkbox"/> meets USP Standards				
	<input checked="" type="checkbox"/> Bioreagent suitable for cell culture				
311	Phytigel, Sigma	kl	7	40,000.00	280,000.00
	Branding the chemical to be purchase is following the protocol set for the project's protocol and standards				
	<input checked="" type="checkbox"/> Chemical must be plant tissue culture tested for at least 20 years				
	<input checked="" type="checkbox"/> ISO complaint				
	<input checked="" type="checkbox"/> ACS REAG				
	<input checked="" type="checkbox"/> PH EUR				
	<input checked="" type="checkbox"/> meets USP standards				
	<input checked="" type="checkbox"/> Bio reagents suitable for cell culture				
312	Dispensing pump for culture media	unit	1	60,000.00	60,000.00
	<input checked="" type="checkbox"/> Single Pump				
	<input checked="" type="checkbox"/> Continuous				
	<input checked="" type="checkbox"/> Multi-dose				
	<input checked="" type="checkbox"/> (predetermined volume, with a pause between each dose)				
	<input checked="" type="checkbox"/> Digital control screen				
	<input checked="" type="checkbox"/> Rotating button for easy navigation and program settings				
	<input checked="" type="checkbox"/> Compact: only 16 cm wide				
	<input checked="" type="checkbox"/> Up to 1% precision				
	<input checked="" type="checkbox"/> Dispenses liquid from 50 μ L to 99 μ L				
	<input checked="" type="checkbox"/> Step-by-step instructions on screen				
	<input checked="" type="checkbox"/> Calibration possible with chosen volume				
	<input checked="" type="checkbox"/> High quality Watson Marlow TM pump heads				
	<input checked="" type="checkbox"/> Heavy duty polycarbonate top shell and durable stainless steel				
313	Distilling Apparatus	unit	1	150,000.00	150,000.00
	<input checked="" type="checkbox"/> Note: Distilling apparatus in cart is beyond the budget allocated.				
	<input checked="" type="checkbox"/> Housing made of stainless steel				
	<input checked="" type="checkbox"/> Pilot switch light				
	<input checked="" type="checkbox"/> with thermostat				
	<input checked="" type="checkbox"/> Distillation capacity L/H: 4				
	<input checked="" type="checkbox"/> Water consumption L/Min : 1				
	<input checked="" type="checkbox"/> Equipment measures HxWX Depth (mm): 435x370x220				
	<input checked="" type="checkbox"/> Heaters: 3000W				
	<input checked="" type="checkbox"/> Electricity : 230V-50/60 Hz 13A				
	<input checked="" type="checkbox"/> Equipment wt: 8				
314	Potassium dihydrogen phosphate, AR	500gms	2	500.00	1,000.00
315	Triethanolamine, AR	liters	3	3,000.00	9,000.00



316	Alcohol, Denatured	gallons	7	253.00	1,771.00
317	Hydrochloric Acid	btl	1	600.00	600.00
	☐AR grade				
	☐2.5 liter/btl.				
	☐36.5-38%				
	☐impurities <1ppm free chlorine				
318	Glass Jar 12oz	box	15	384.00	5,760.00
	☐Clear				
	☐12oz				
	☐M-7101				
	☐with cap				
	☐24pcs/box				
319	Glass Jar 8oz	box	15	312.00	4,680.00
	☐Clear				
	☐8oz				
	☐M-7177				
	☐with cap				
	☐24pcs/box				
320	Myo-inositol	btls	3	1,600.00	4,800.00
	☐AR, 100g per bottle				
321	Agar (E-406)	btl	1	2,400.00	2,400.00
322	☐ Pronadisa-delete				
	☐500g				
	☐For plant tissue culture				
323	Scalpel Blade	box	8	280.00	2,240.00
	☐Stainless steel				
	☐100 blades/box				
324	Volumetric Flask	pc	3	360.00	1,080.00
	☐50mL, (±1mL)				
	☐Borosilicate glass with glass standard taper stopper				
	☐Class A				
	☐Calibrated				
325	Volumetric Flask 100ml	pc	3	500.00	1,500.00
	☐100 mL (±0.01 mL)				
	☐Borosilicate glass with glass standard taper stopper				
	☐Class A				
	☐Calibrated				
326	96-Well Plates, Polypropylene	pack	1	18,500.00	18,500.00
	☐96 Well Microplate				
	☐well working volume 50-300 µL				
	☐clear polypropylene wells round bottom				
	☐maximum volume 355 µL				
	☐DNAse/RNAse free				
	☐Non-pyrogenic by LAL method to <0.06 EU/mL				
	☐at least 100 EA per pack				
327	Alcohol, Ethyl, 95% (Tech)	liters	2	115.00	230.00
328	Tri-power Stereo Microscope	unit	4	25,000.00	100,000.00
	☐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				
329	Table Type Vacuum Packaging Machine	unit	1	33,900.00	33,900.00
	voltage: 220V/50-60Hz				
	power: 0.75W				
	heat-sealing power: .6 Kw				
	lowest absolute pressure of vacuum case: 1.33 kpa				
	volume of vacuum case: 380 x 380 x 80 mm				
	heat sealing strip length and width: 260 x 8 mm				
	number of heat sealing strips: 1 or 2 pcs				
	exhaustment of vacuum pump: 10m3/h				
	material of vacuum case and null: stainless steel				
	dimension: 470 x 330 x 300 mm (l x w x h)				
	weight: 45 kgs				
330	Laboratory Refrigerator with 10.6 cubic foot/300 L capacity	unit	2	70,000.00	140,000.00
	Temperature range: +2°C to +8°C				
	Inner cabinet: white epoxy painted				
	Inner shelves: epoxy plastic coated steel rod				
	CFC Free Eco-friendly refrigerant R 134a				
	CFC Free, environment friendly Cyclopentene foaming PUF insulation				
	No frost, fan-assisted cooling circulation system				
	Ultra-fast pull down, auto defrost with self-evaporating drip tray				
	Rear-to-front hot air anti-condensation				
	Digital temperature controller				
	Double glazed glass doors				
	Full length illumination				
	Fitted with castors, front two with brakes				
	Low noise, green technology and energy saving				
	Self-closing hinge doors				
	Lock as standard				
	Input 220/240V, 50 Hz with power cord & plug				
	Automatic voltage stabilizer with time delay restart				
	gross volume: ≥ 300 L				
331	ELISA READER	unit	1	580,000.00	580,000.00
	(Filter wheel-type) (Bio-rad iMark)-delete				
	Wavelength range: nm400-750 or wider				
	Compatible plate/strips: flat, U, or V-bottom microplates or 8- or 12- well strip plates.				
	Number of filters accommodated: at least 8				
	includes 415, 450, 490, 595, 655 and 750 nm filters.				
332	MICRO CENTRIFUGE , (Ventilated)	unit	1	45,000.00	45,000.00
	Capacity : 24 x1.5/2mL				
	Max. Speed : 13,300rpm				
	Max. RCF : 17,000 x g				
	Noise Level: 56dbA				



	☑Temperature Range : Ambient temperature				
	☑Certifications/Compliance : CSA, CE, IVD				
	☑Type : Benchtop Centrifuge				
	☑Includes: 24 x 1.5/2.0mL rotor, 32 x 0.2mL rotor with Click Seal, Biocontainment lid				
	☑Description: Micro CL17 Centrifuge Ventilated				
	☑Electrical Requirements: 110/240V 50/60Hz				
	☑Run Time: 1 to 99min (1min increments); hold				
	☑Standards : IEC 61010-1, IEC 61010-2-020				
	☑Dimensions (HWD): 8.9 x 9.6 x 13.8in. (22.5 x 24.3 x35.2cm)				
	☑Net Weight : 23.1lb. (1.41kg)				
333	Micropipette Set	sets	2	75,000.00	150,000.00
	☑Fully autoclavable Pipettes with Carousel Stand with volume capacity:0.2-2ul, 1-10ul, 2-20ul, 10- 100ul,20-200ul,100-1000ul				
	☑Fully Autoclavable at 121 °C for 20 minutes				
	☑Triple-Speed Turbo (one rotation of triple dial is equal to 3.5 rotations of the ordinary push- button dial) and with lock lever				
	☑Mushroom-shaped button and color coded				
	☑Digital indicator				
	☑Inclusions: 200µl, Standard Tip, Graduated, Natural, PP Rack, Sterilized; 1000µl, Standard Tip, Graduated, Natural, System Rack(PP), Sterilized; 20µl, Filter Tip, System Rack(PP), Sterilized, 96 tips/rack, 10 rack/unit				
	☑Inclusions: 200µl, Standard Tip, Graduated, Natural, PP Rack, Sterilized; 1000µl, Standard Tip, Graduated, Natural, System Rack(PP), Sterilized; 20µl, Filter Tip, System Rack(PP), Sterilized, 96 tips/rack, 10 rack/unit				
334	THERMALBLOCK	unit	1	45,000.00	45,000.00
	☑Max. temperature control range: 110 °C				
	☑Min. temperature control range: -10 °C				
	☑☑Temperature accuracy: Max. ±0.5 °C at 20 – 45 °C1				
	☑Temperature settings: -10 °C/110 °C (110 °C when using the (Smart Blocks 12 mm or cryo)				
	☑Timer: 15 s to 99:30 h, continuous				
	☑Heating rate: Max. 9 °C/min (when using the Smart Block PCR 384)1				
	☑Cooling rate Max.: 5.0 °C/min between 110 °C and RT1				
	☑Interfaces: USB interface				
	☑Power supply: 220 – 240 V, 50 – 60 Hz				
	☑Max. power consumption: 200 W				
	☑Dimensions (W × D × H): 20.6 × 30.4 × 13.6 cm				
	☑Weight w/o accessories: 4.3 kg				
	☑Temperature range Min: 30 °C below RT, max: 110 °C (110 °C when Using the Smart Blocks 12 mm or cryo)				
335	Copper Sulphate, 500 grams/pack	pack	1	500.00	500.00
336	Agar-Agar	kls	4	2,800.00	11,200.00
337	Ethyl Alcohol (95%), Container Size: Water Can	canister	5	3,000.00	15,000.00
338	Plant Preservative Mixture (PPM), for plant tissue culture at least 25-30 ml per bottle	btls	2	5,000.00	10,000.00
	Rebidding (GOODS-21-32)				
339	Multi-position Hot Plate Stirrer (corrosive resistant)	unit	1	95,000.00	95,000.00
	☑3 independent heating/stirring positions				



	☑600 x 270 mm footprint or higher				
	☑robust aluminum / silicon alloy top plates or stainless steel with ceramic coating				
	☑Stirring speed: 1500rpm				
	☑Volume: 10 L				
	☑3 x 25 mm PTFE coated stir bars				
340	Top Loading Balance	unit	1	30,000.00	30,000.00
	☑Readability (d): 0.01 g				
	☑Weighing range (max): 3600 g				
	☑Taring range (subtractive): 3600 g				
	☑Reproducibility: 0.02g				
	☑Linearity: + - 0.05 g				
	☑Adjustment points: 1.0/2.0/3.0/3.6 kg				
	☑Weighing plate stainless steel mm: 130 x 130				
341	Reagent Bottle	pcs	4	300.00	1,200.00
	☑With Stopper/Screw Cap				
	☑Material: Glass/Borosilicate Glass				
	☑Color: Clear/Transparent Flask				
	☑Capacity: 2000mL				
	☑Graduation: 1800mL				
342	Reagent Bottles	pcs	10	500.00	5,000.00
	☑Amber Glass Wide Mouth Bottle Chemical Reagent Storage Bottles				
	☑250 ML capacity				
	☑Features:				
	—Glass body for chemical, thermal expansion, shock, and heat resistance.				
	—Amber glass bottles are perfect for storing materials which are sensitive to degradation from light.				
	—Wide mouth, cylindrical shape body for a wide variety of applications that require solution containment.				
	—Ground glass stopper seals the bottle to secure contents and help prevent spills and evaporation.				
	—Useful for storing both liquids and powders, widely used in chemistry and biology application				
343	Zinc Chloride, Analytical Grade, 500g/btl	btls	2	1,500.00	3,000.00
	☑AR grade, 500 g per bottle				
344	Iron Chloride, Analytical Grade, 500g/btl	btls	2	1,500.00	3,000.00
	☑AR grade, 500 g per bottle				
345	Copper Chloride, Analytical Grade, 500g/btl	btls	2	1,995.00	3,990.00
	☑Analytical grade, 500g per bottle				
346	Sulfur Powder, Analytical Grade, 500g/btl	btls	2	1,000.00	2,000.00
	☑AR grade, 500g per bottle				
347	Pipette Tips (20 ul)	pc	1	500.00	500.00
	☑20 ul capacity				
	☑autoclavable				
	☑100 pcs per pack				
348	Gloves, Nitrile, Medium	boxes	2	945.00	1,890.00
	☑Glove Type: Chemical Resistant Disposable Gloves				
	☑Glove Material: Nitrile				
	☑Powder-Free				
	☑1 box of 100 or 50 pairs				
	☑Food Safe				



	☑Size: Medium				
349	Test Tube Rack, 12 x 4 for 13 x 100mm test tubes	pc	1	950.00	950.00
	☑Stainless steel				
350	Reagent Bottles	pcs	4	750.00	3,000.00
	☑Amber Glass Wide Mouth Bottle Chemical Reagent Storage Bottles				
	☑500 mL capacity				
	☑Features:				
	—Glass body for chemical, thermal expansion, shock, and heat resistance.				
	—Amber glass bottles are perfect for storing materials which are sensitive to degradation from light.				
	—Wide mouth, cylindrical shape body for a wide variety of applications that require solution containment.				
	—Ground glass stopper seals the bottle to secure contents and help prevent spills and evaporation.				
	—Useful for storing both liquids and powders, widely used in chemistry and biology application				
351	1000 µL pipette tips (Blue)	pack	1	924.00	924.00
	☑732012 1000 µL pipette tips (Blue)				
352	200 µL pipette tips (Yellow)	pack	1	924.00	924.00
	☑732008 200 µL pipette tips (Yellow)				
353	5000 ul pipette tips (Neutral)	pack	1	2,300.00	2,300.00
	☑36015000B, 5000 ul pipette tips (Neutral)				
354	Beaker, Glass, 50mL	pcs	30	155.00	4,650.00
	☑Borosilicate glass				
355	Clevenger Apparatus	pcs	2	6,000.00	12,000.00
	☑For extracting essential oil through distillation				
356	Round Bottom Flask, 2000mL	pc	1	2,200.00	2,200.00
	☑Single Standard Mouth Round-bottomed borosilicate glass Flask Capacity 2000ml And Joint 29/32 Single Neck Round Flask				
357	Round Bottom Flask, 500mL	pc	1	1,400.00	1,400.00
	☑Single standard mouth round-bottomed borosilicate glass flask, Capacity 500ml and joint 24/29, Single neck round flask				
358	Erlenmeyer Flask, Glass, 5000mL	pc	1	3,000.00	3,000.00
	☑BOROSILICATE ERLENMEYER FLASK 5000ml				
359	Heating Mantle	unit	1	12,000.00	12,000.00
	☑220V 500mL/1L/2L Heating Mantle & Magnetic Stirrer Stirring Temperature Regulation Digital Display Lab Electric Sleeve - 2L				
360	Glass Vials 2ml	pcs	3	1,150.00	3,450.00
	☑100Pcs/Set 2ml Graduated Clear Sample Vials Autosampler Vials Bottles Threaded Vial w/ Write-on Spot Screw Caps Septa				
361	Syringe with Needle 1cc	box	1	1,000.00	1,000.00
	☑Syringe 1cc TERUMO (With Needle), 100 units/box				
362	Microplate Replicator 96 pin	box	1	12,000.00	12,000.00
	☑96-pin replicator 1box(50pc)				
363	Inoculating Loop Stainless Steel	pack	1	1,200.00	1,200.00
	☑10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology				
364	Red Natural Rubber Tubing	pcs	20	70.00	1,400.00



	☑Natural rubber tube, Red 8mm OD 6mm ID, 2mm thickness 1 meter				
365	Hot Plate	unit	1	15,000.00	15,000.00
	☑1000ml Hot Plate Magnetic Stirrer Lab Heating Speed Control Mixer 220V AU Plug				
366	Lab Gown Long Sleeves L	pcs	2	500.00	1,000.00
	☑Lab Coat High-quality White				
	☑Size- Large; long sleeves				
367	Lab Gown Long Sleeves M	pcs	3	500.00	1,500.00
	☑Lab Coat High-quality White				
	☑Long Sleeves				
	☑Medium size				
368	Thiazolyl Blue Tetrazolium Bromide (MTT)	btls	3	4,000.00	12,000.00
	☑MTT [Thiazolyl Blue Tetrazolium Bromide], 1 Gram per bottle, soluble in water				
	☑Common Name: Thiazolyl Blue Tetrazolium Bromide				
	☑CAS Number: 298-93-1				
	☑Molecular Weight: 414.3				
	☑Chemical Formula: C18H16N5SBr				
	☑Solubility: Water				
	☑Storage Temperature: 2-8°				
	—Appearance: Yellow to orange yellow powder				
	—Assay (Titration): ≥ 98.0 %				
	—Heavy Metals: ≤ 5 ppm				
	—Solubility: Clear yellow solution				
	—Water Content: ≤ 0.5 %				
		TOTAL ABC (this project):			5,368,088.00

Sgnd
DILBERTO O. FERRAREN
 BAC Chairman