



Republic of the Philippines VISAYAS STATE UNIVERSITY

Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No.: **PPMP-2024-052224-0141**

PR No.: GF-2024-08-01519

Date: 08-12-2024

Dept./Office: PRCRTC

Category: Laboratory

Duration: 2024-05-27

Supplies

to 2024-05-27

Section/End-User: John S. Bahandi

Project Title/Code: PhilRootcrops

#	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	0.2 mL PCR tubes	pack	20	5,000.00		100,000.00
	Material: Polypropylene Features: Flat or domed caps. Pack of 100	, compatible	with most th	ermal cyclers.	N	
2	0.5 mL PCR Tubes	pack	5	5,000.00		25,000.00
	 Material: Polypropylene Features: Flat or domed caps, Per pack of 100 	, compatible	with most th	ermal cyclers.		
3	0.5-10 ?L pipette tips (white)	pack	10	1,000.00		10,000.00
	Specification:					
4	0.5-10 ?L pipette tips (white) at least	1000 pcs. pe	er pack	10,000.00		100,000.00
4	0.5-10 ?L pipette tips (white) at least			10,000.00		100,000.00
4	0.5-10 ?L pipette tips (white) at least 10 mM dNTPs mix Specification:			300.00		
	0.5-10 ?L pipette tips (white) at least 10 mM dNTPs mix Specification: 10mM dNTPs mix, 1 mL	tube	10	·		
	0.5-10 ?L pipette tips (white) at least 10 mM dNTPs mix Specification: 10mM dNTPs mix, 1 mL 100 mm glass petri dish Specification:	tube	10	·		30,000.00
5	0.5-10 ?L pipette tips (white) at least 10 mM dNTPs mix Specification: 10mM dNTPs mix, 1 mL 100 mm glass petri dish Specification: 100 mm glass petri dish	pcs	100	300.00		30,000.00

8	2.4-Dichlorophenoxyacetic acid, 250grams/btl	grams	5	4,500.00	22,500.00
	Specification:	plant growl	h regulator 2,	4-D used for	
9	a-Naphthalene Acetic Acid (NAA), extra pure, 100g	btl	5	3,800.00	19,000.0
	Specification:?>100 g in poly bottle?>suitable for plant cell culture?>BioReagent, ?95%, crystalline				
10	Activated Charcoal suitable for plant cell and tissue culture (5g)	gms	5	2,500.00	12,500.0
	Specification: 5 grams				
11	Agar for plant cell and tissue culture	500gms	6	7,500.00	45,000.0
	Specification: 500 grams				-
12	Agarose	grams	10	4,500.00	45,000.0
13	Materials: Agarose powder Volume: 100g containers Features: Low EEO, high gel st Ammonium Nitrate Specification:	rength, suit	able for nucle	c acid separation	50,000.0
	?AR grade; at least 98% purity ?Molecular Wt. 80.043 grams per mol. ?1kg/pack				
14	?Molecular Wt. 80.043 grams per mol.	btl	4	1,800.00	7,200.00
14	?Molecular Wt. 80.043 grams per mol. ?1kg/pack	btl btl		1,800.00	7,200.00
	?Molecular Wt. 80.043 grams per mol. ?1kg/pack Ascorbic acid Specification:			1,800.00	•
	?Molecular Wt. 80.043 grams per mol. ?1kg/pack Ascorbic acid Specification: ?Analytical reagent grade, crystalline po	owder, 25 g.	/bottle		7,200.00 10,000.00
14	?Molecular Wt. 80.043 grams per mol. ?1kg/pack Ascorbic acid Specification: ?Analytical reagent grade, crystalline pole. Beaker, Glass, 1000mL Specification:	owder, 25 g.	/bottle		

	?500mL capacity, borosilicate glass				
17	Benzylaminopurine (BAP) suitable for plant cell and tissue culture (5g)	btl	4	24,000.00	96,000.00
	Specification:		***************************************		
	5 grams				
18	Boric acid (H3BO3) suitable for plant cell and tissue culture	btl	3	1,000.00	3,000.00
	Specification:				
	molecular weight: 61.83				
	500 grams				
19	Brush Suitable for 50mL Graduated Cylinders	рс	4	200.00	800.00
	Specification:				
	?Bristle Material: Black Nylon				
	?Suitable for 50mL Graduated Cylinders	1			
20			, ,	1.500.00	
20	Calcium Chloride Specification:	btls	4	1,500.00	6,000.00
	?AR grade; 500g			,	
21	Chloramphenicol for tissue culture 25 grams	btl	10	5,000.00	50,000.00
22	Cobalt chloride (CoCl2, 6H2O) suitable for plant cell and tissue culture	btl	3	1,600.00	4,800.00
	Specification:		NAME OF TAXABLE PARTY O	www.aliaana.aliaada.aliaanalia.aliaa	
	?Molecular weight: 249.6 ?500g				
23	Colchicine suitable for plant cell and tissue culture (1g)	btl	3	15,000.00	45,000.00
	Specification:				
	1gram				
24	Copper Sulphate, 500 grams/pack	pack	5	500.00	2,500.00
25	Cryogenic Boxes	pcs	5	600.00	3,000.00
	Specification: Cryogenic boxes w/ dividers, plastic, 9x9 clasp, autoclavable	or 10x10	, transparent,	for 1.5/2.0mL tubes, 81-100 wells, na	atural color, w/ hinge and snap
_	cryogenic vials	per 100	10	6,000.00	60,000.00

	 Material: Polypropylene Volume: 1.2, 2.0 and 5.0ml capa 	acity			
	 Seal: Screw cap with silicone ga 	asket			
	Sterility: Pre-sterilized				
	Temperature: Suitable for -196	C			
27	Culture Bottles, 50mL Glass Jar with Cap SIZE: diameter-3cm, Height -9.0cm	piece	2000	15.00	30,000.00
	Specification:	*			
	Culture Bottles, 50mL Glass Jar with Ca	ap SIZE: d	diameter-3cm,	Height -9.0cm	
28	Culture bottles,* (Big) M-7177 - 8 oz or 220ml Glass Jar with Cap	pc	2000	20.00	40,000.00
	Specification:				
	Culture bottles,* (Big) M-7177 - 8 oz or cm x 10 cm Sold with caps Cap size or				nt): 2 in x 2 in x 4 in or 5 cm x 5
_	C. B	T		15.00	
29	Culture bottles,* (Small) 4 oz or 120 mL glass jar Dimensions	piece	2000	15.00	30,000.00
29		piece	2000	15.00	30,000.00
29	120 mL glass jar Dimensions Specification:				
29	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL	glass jar	Dimensions (I	ength x width x height): 2 in x 2 in x 2	
29	120 mL glass jar Dimensions Specification:	glass jar	Dimensions (I	ength x width x height): 2 in x 2 in x 2	
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL	glass jar	Dimensions (I	ength x width x height): 2 in x 2 in x 2	2.5 in or 5 cm x 5 cm x 6 cm
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n	glass jar nm Can v	Dimensions (I	ength x width x height): 2 in x 2 in x 2 eat of boiling water	2.5 in or 5 cm x 5 cm x 6 cm
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification:	glass jar nm Can v	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: • Price Range: PHP 2,000 - PHP	glass jar nm Can v Vial	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn	glass jar nm Can v Vial	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: • Price Range: PHP 2,000 - PHP	glass jar mm Can v Vial 8,000 pe own sizes	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 μL Features: Pre-mixed with loadin	glass jar mm Can v Vial 8,000 pe own sizes	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water	glass jar mm Can v Vial 8,000 pe own sizes	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 μL Features: Pre-mixed with loadin	glass jar mm Can v Vial 8,000 pe own sizes	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water	glass jar mm Can v Vial 8,000 pe own sizes ng dye, su 500ml/k	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water Specification:	glass jar mm Can v Vial 8,000 pe own sizes ng dye, su 500ml/k	Dimensions (I vithstand the h 10 r vial (50-500	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water Specification: Materials- Ultrapure, free of DNase and Volume: 500ml/btl	glass jar mm Can v Vial 8,000 pe own sizes g dye, su 500ml/k	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00 aL) rate size determination 3,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 μL Features: Pre-mixed with loadin DNase/RNase- free water Specification: Materials- Ultrapure, free of DNase and Volume: 500ml/btl Features: Certified Nuclease-free, suital	glass jar mm Can v Vial 8,000 pe own sizes g dye, su 500ml/k	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00 aL) rate size determination 3,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
31	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water Specification: Materials- Ultrapure, free of DNase and Volume: 500ml/btl Features: Certified Nuclease-free, suital EMS (Ethyl methanesulfonate) for plant genetic studies (10g)	glass jar mm Can v Vial 8,000 pe own sizes g dye, su 500ml/k	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00 aL) rate size determination 3,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
30	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 μL Features: Pre-mixed with loadin DNase/RNase- free water Specification: Materials- Ultrapure, free of DNase and Volume: 500ml/btl Features: Certified Nuclease-free, suital EMS (Ethyl methanesulfonate) for	glass jar mm Can v Vial 8,000 pe own sizes g dye, su 500ml/k Rnase	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00 aL) rate size determination 3,000.00	2.5 in or 5 cm x 5 cm x 6 cm 80,000.00
31	120 mL glass jar Dimensions Specification: Culture bottles,* (Small) 4 oz or 120 mL Sold with caps Cap size / Diameter: 58n DNA ladders Specification: Price Range: PHP 2,000 - PHP Materials: DNA fragments of kn Volume: Typically 50-500 µL Features: Pre-mixed with loadin DNase/RNase- free water Specification: Materials- Ultrapure, free of DNase and Volume: 500ml/btl Features: Certified Nuclease-free, suital EMS (Ethyl methanesulfonate) for plant genetic studies (10g)	glass jar mm Can v Vial 8,000 pe own sizes g dye, su 500ml/k Rnase	Dimensions (I vithstand the h	ength x width x height): 2 in x 2 in x 2 eat of boiling water 8,000.00 aL) rate size determination 3,000.00	30,000.00 2.5 in or 5 cm x 5 cm x 6 cm 80,000.00 15,000.00

Specification:

	Specification:				
	Molecular weight - 124.2				
	Molarity - 9.7 (neat liquid)				
	Density - 1.202 g/ml (20 °C)				
	99% purity				
34	Ethanol- reagent grade and suitable for mole-bio applications	500ml/bo	ot 5	4,000.00	20,000.00
	Specification:	1			
	Materials- 95-100% ethanol, suitable for Features- reagent grade	molecular	biology appli	cations	
35	Ethidium Bromide or Safe Stains	btl	3	5,000.00	15,000.00
-	Specification:			AND AND STOREST	
	-			natives available for reduced toxicity	*
36	Ethylenediaminetetraacetic acid disodium salt (Na2-EDTA) suitable for plant cell and tissue culture	btl	5	1,500.00	7,500.00
	Specification: 500 grams	ya	-	y	
37	Ferrous sulfate (FeSO4, 7H2O) suitable for plant cell and tissue culture	btl	4	1,000.00	4,000.00
	Specification:	(accessing to the contract of			
	500 grams				
38	Gel Loading Dye	btl	5	2,500.00	12,500.00
	• Price Range: PHP 500 - PHP 30 • Materials: Dye solution with glyc • Volume: 10 mL • Features: Bromophenol blue or s	erol		ample loading and tracking	
	Cibbarallia Asid 100s	grams	2	15,000.00	30,000.00
39	Gibberellic Acid 100g				
39	Specification:				
39					
39	Specification:	white			
39	Specification: • Gibberellic Acid (GA3), 90%				
39	Specification: • Gibberellic Acid (GA3), 90% • Appearance (color) - white to off-	powder	ol clear		

41	Gloves, Nitrile, Large	box of	4	1,500.00	6,000.00
	Specification:	50's			
	?Glove Type: Chemical Resistant Dis ?Glove Material: Nitrile ?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: large	posable Glov	es		
42	Gloves, Nitrile, Medium	box of 50's	5	1,500.00	7,500.00
	?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: Medium			-	8
43	Gloves, Nitrile, Small	box of 50's	10	1,500.00	15,000.00
	Specification: ?box or 100-50 pairs, small ?natural rubber latex-free, powderless ?micro grip	5			
44	Glycine	btl	3	8,000.00	24,000.00
	Specification: ?Molecular biology, ?99.0% assay que?Suitable for protein analysis, SDS-Pa?DNases and Rnases free ?Phosphatases and proteases free ?Crystalline form ?Bottle of at least 500g		stern blot		
	good quality Scalpel Handle #3	pcs	10	500.00	5,000.00
45	Specification:				

· stainless steel scalpel handle is used with scalpel blade # 11 . It has a curved cutting edge and a flat, notched back for a more secure hold · It is used for plant tissue culture · Good quality 46 Graduated Cylinder 10 mL (Glass) 10 450.00 4,500.00 pcs Specification: 10 mL Single Metric Graduated Cylinders, TC, Plastic Hexagonal Base, Blue Graduations ??cylinder body is made from borosilicate glass ??hexagonal LDPE plastic base (removable) ??tolerance ± 0.50 mL ??with blue graduations ??with funnel-like pour spout Graduated Cylinder 10mL 47 liters 10 300.00 3,000.00 (Translucent Plastic) Specification: 1-10 mL graduated cylinder (Translucent Plastic) 48 Graduated Cylinder 250mL piece 10 270.00 2,700.00 Specification: • 250 ml · Easy to read graduations Shatter resistant · high density plastic 49 Graduated Cylinder, Glass, 100mL 20 400.00 8,000.00 pcs Specification: ?Type 1, Class A Borosilicate Glass 50 Graduated Cylinder, Glass, 250mL рс 10 600.00 6,000.00 Specification: ?Material: Borosilicate Glass ?Good Quality Graduated Cylinder, Plastic, 10 400.00 4,000.00 1000mL Specification: Plastic, 1000ml (1L) capacity for Particle Size Analysis 500.00 7,500.00 52 Holder scalpel # 4 pcs 15 Specification: Holder Scalpel #4

- stainless steel scalpel handle is used with scalpel blade # 22
- · It has a curved cutting edge and a flat, notched back for a more secure hold
- · It is used for plant tissue culture
- Good quality

53	Hydrochloric Acid	btls	5	4,000.00	20,000.00
	Specification:				
	1 Litre/bottle				
	 analytical grade 				
54	IAA (Indole-3-Acetic Acid),	btl	4	4,500.00	18,000.00
	Specification:				
	?500g, AR				
55	Indoleacetic acid (IAA) suitable for plant cell and tissue culture (5g)	btl	10	3,500.00	35,000.00
	Specification:	NAME OF TAXABLE PARTY.		the same of the sa	
	5 grams				8
56	Isopropanol-reagent grade	btl	5	4,000.00	20,000.00
	Specification:				1000 p. 1000 p
	Materials- 99% isopropanol				
	1liter bottle				
	reagent grade				
57	Isopropanol, HPLC grade 2.5L	btl	3	9,000.00	27,000.00

Specification:

Specifications

Melting Point -89.5°C

(1 cm cell vs HPLC grade water), (1 cm cell vs HPLC grade water) at 0nm, 0.005 max. at 260nm,

Absorbance 0.005 max. at 270nm, 0.01 max. at 250nm, 0.05 max. at 240nm, 0.1 max. at 230nm, 0.2 max. at

220nm, cut off at 205nm

Color

Orange to White

Acidity

0.0001 meq/g max.

Alkalinity

0.0001 meq/g max.

Assay

Percent

99.5%

Range

Linear

(СН3)2СНОН

Formula

Solubility Solubility in water: miscible. Other solubilities: soluble in methanol, ethanol, methylene chloride,, Information dmf and acetone, miscible with alcohol, ether and chloroform, insoluble in salts solutions Formula 60.1 Weight Percent Purity 99.5% Grade **HPLC** Gradient Density 0.7850g/mL **Boiling Point** 81.0°C to 83.0°C 2.5 L Quantity Flash Point 12°C Packaging Glass Bottle Physical Form Crystalline Mass, Powder, Crystals and/or Chunks Refractive 1.3760 to 1.3780 Index Residue after 2ppm max. Evaporation Specific 0.785 Gravity Viscosity 2.27 mPa.s (20°C) Water 0.1% Max. Chemical Name or Isopropanol Material 58 Isopropanol, molbio grade, 2.5L 500ml/bot 3 8,000.00 24,000.00 59 Kinetin 3,500.00 14,000.00 gms 4 Specification: Kinetin is often used in plant tissue culture for inducing formation of callus (in conjunction with auxin) and to regenerate shoot tissues from callus (with lower auxin concentration).

60	Long forcpes	pc	15	850.00	12,750.00
	Specification:	A CONTRACTOR OF THE CONTRACTOR			***************************************
	stainless steal				
	8 inches good quality,				
	fine point				
61	Long froceps (10inch)	рс	15	850.00	12,750.00
	Specification:				
	stainless steal				

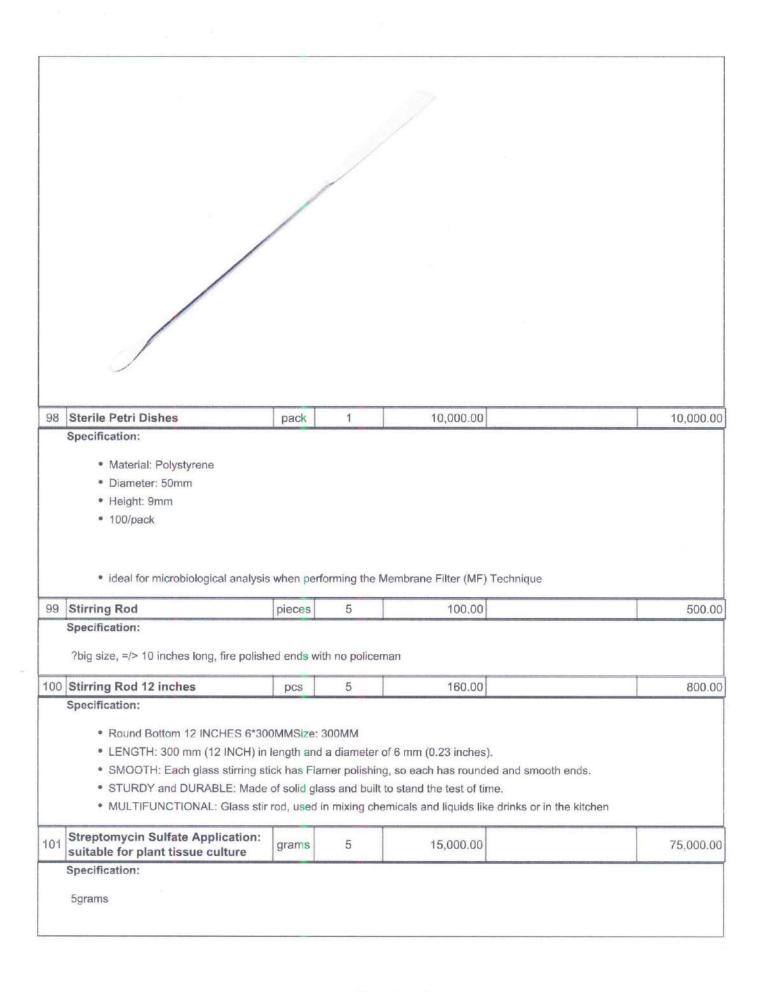
	10inches				
	good quality- fine point				
62	LPG Gas Refill	tanks	10	1,200.00	12,000.0
	Specification:	the same of the sa	the state of the s	de la companya de la	
	contents only, 11 kgs.				
63	Magnesium Sulphate (MgSO4.7H20) suitable for plant cell and tissue culture	btl	4	2,000.00	8,000.0
	Specification:	alescentrated resolu			
	• Wt. 169.01				
	Colourless efflorecent crystalls				
	• 500 grams				
64	Manganese sulfate (MnSO4, H2O) suitable for plant cell and tissue culture	btl	3	1,200.00	3,600.0
	Specification:				A Decision of the last of the
	500 grams				
65	Mannitol (AR) 500g	pack	4	6,000.00	24,000.0
-	Specification:				WHITE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
	?Mannitol (AR) ?Formula: C6H14O6 ?Molecular Wt. 182.172g/mol.				
66	Microcentrifuge Tube, 1.5mL, Attached Snap Cap, Clear/ Natural	unit	10	700.00	7,000.0
	Specification:				
	Microcentrifuge Tube, 1.5mL, Attached	Snap Cap	, Clear/ Natura	L	
67	Microcentrifuge Tubes (1.5mL Capacity)	pack	10	2,000.00	20,000.0
	Specification:	ote a second			
	?1.5mL Capacity				
	?clear				
	?safe-lock				
	?pack of 1000				
	?autoclavable				
	Microcentrifuge Tubes (2.0mL Capacity)	pack	10	3,000.00	30,000.0
68	capacity)	THE OWNER WHEN PERSON NAMED IN			
68	Specification:				
68	Specification:				
68	Specification: ?2.0mL Capacity				
68	Specification:				

	?pack of 1000 ?autoclavable				
69	Molybdic acid (sodium salt) (Na2MoO4, 2H2O) suitable for plant cell and tissue culture	btl	4	2,200.00	8,800.0
	Specification: 500grams, AR				
70	Myo-inositol suitable for plant cell and tissue culture (100gms)	btl	4	5,000.00	20,000.0
	Specification: 100 grams				
71	Nicotinic acid suitable for plant cell and tissue culture (100g)	btl	4	3,000.00	12,000.0
	Specification: 100 grams				
72	PCR master mix	kit	10	25,000.00	250,000.0
72	PCR Primers	set	10		
1 1 1	FUR FIIIIEIS	SEL	1 10	15.000.001	150,000.0
1.0	Materials: Custom DNA sequence Volume: Various, typically 10-10	ces 0 µM co		15,000.00	150,000.0
	Materials: Custom DNA sequence Volume: Various, typically 10-10 Features: Customizable for target	ces 0 µM co	ncentration	or PCR and qPCR	
	Materials: Custom DNA sequence Volume: Various, typically 10-10 Features: Customizable for target PCR Tubes (0.2mL Capacity)	ces 0 µM co	ncentration		
	Materials: Custom DNA sequence Volume: Various, typically 10-10 Features: Customizable for target	ces 0 µM col et sequel	ncentration	or PCR and qPCR	30,000.00
74	• Materials: Custom DNA sequence • Volume: Various, typically 10-10 • Features: Customizable for target PCR Tubes (0.2mL Capacity) Specification: • 0.2mL Capacity • clear • safe-lock • pack of 1000	ces 0 µM col et sequel	ncentration	or PCR and qPCR	

76	Petri dish, 150mm x 15mm, Pyrex	piece	100	580.00	58,000.0
U	Specification:	piece	100	360.00	38,000.0
	Petri dish, 150mm x 15mm, Pyrex				
	_	_			
7	Petri dish,100x15mm, Pyrex	piece	100	560.00	56,000.0
	Specification:				
	Petri dish,100x15mm,				
	Pyrex				
78	Picloram (plant tissue culture grade)	grams	5	15,000.00	75,000.0
	Specification:				
	Plant tissue culture grade				
	approx. 5grams/unit price				
70	·	T .	10	000.00	0.000
79	Pipette Tips, 20 - 200 uL (Clear) Specification:	pack	10	600.00	6,000.0
	opecinication.				
	 Autoclavable 				
	Clear				
	 Laboratory grade 				
	Laboratory gradeSize: Pack of 1000 tips				
	 Laboratory grade 				
30	Laboratory gradeSize: Pack of 1000 tips	kit	5	40,000.00	200,000.0
30	 Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL 	kit	5	40,000.00	200,000.0
80	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification:		de la constantina della consta	·	
80	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit		de la constantina della consta	·	
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml)	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder		Mini Spin Colun	·	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification:	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
80	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	200,000.00 umns, RNase A, Buffers, 3,000.00
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
31	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml Polycarbonate Safety Goggles	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
31	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
31	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml Polycarbonate Safety Goggles	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml Polycarbonate Safety Goggles Specification: PRODUCT SPECIFICATION	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
31	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml Polycarbonate Safety Goggles Specification:	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,
31	Laboratory grade Size: Pack of 1000 tips Capacity: 20 - 200uL Plant DNA Extraction Kit Specification: DNeasy Plant Mini Kit, 50 reactions, 50 Collection Tubes (2 ml) Plastic Graduated Cylinder Specification: Capacity?50ml Material?Plastic Color?Translucent Shape?Cylindrical Tolerance?1ml Graduated in milliliters?1ml Polycarbonate Safety Goggles Specification: PRODUCT SPECIFICATION Polycarbonate goggles.	DNEasy	Mini Spin Colun	nns, 50 QIAshredder Mini Spin Colu	umns, RNase A, Buffers,

Mo 500 84 Po for Sport 11	ecification: olecular weight 166 00 grams otassium Nitrate (KNO3) suitable r plant cell and tissue culture ecification: kilogram of Potassium Nitrate	kgs	5	· ·	·
Special Post Special Post Surger Surg	otassium Nitrate (KNO3) suitable r plant cell and tissue culture ecification:	kgs	5		
Special Posts Post	otassium Nitrate (KNO3) suitable r plant cell and tissue culture ecification:	kgs	5		
Spendar 1 1 Post Sun cu	r plant cell and tissue culture ecification:	kgs	5		
Po su cu				5,500.00	27,500.00
Po S5 su cu	kilogram of Potassium Nitrate				
35 su cu					
Spe	otassium Phosphate (KH2PO4) itable for plant cell and tissue ilture	btl	4	2,500.00	10,000.00
	ecification:	Action to the second se	un ake	<u> </u>	4
50	00grams				
	ridoxine.HCl suitable for plant Il and tissue culture(25g)	btl	4	4,900.00	19,600.00
Spe	ecification:	Amountains and the Co.		A Property of the Control of the Con	
25	5 grams				
37 Re	efined white sugar, food grade	kgs	20	200.00	4,000.00
for	NA Extraction kit, 50 reactions, r plant samples	kit	5	20,000.00	100,000.00
Spe	ecification:				
50	contents in the kit				
39 Sc	alpel Blade	box of 50's	10	280.00	2,800.00
Spe	ecification:				
?8	Stainless steel				
?1	00 blades/box				
90 Sc	calpel Blade #11	box	4	1,300.00	5,200.00
Spe	ecification:				
Bla	ade #11				
fin	ne blade				
91 Sc	calpel Blade #22	box of 50's	4	1,500.00	6,000.00

	#22							
92	Scalpel Handle	pcs	10	70.00	700.00			
	Specification:							
	?#4, Stainless steel							
93	Sodium EDTA dihydrate,	btl	4	5,400.00	21,600.00			
31100	Specification:							
	?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							
	?250g							
94	Sodium Hydroxide, Technical Grade, 1KG, Pellets	btls	4	1,000.00	4,000.00			
	Specification: ?Technical grade, pellets, 1 kg Sodium Molybdate (for plant							
95	tissue culture)	kilos	2	5,000.00	10,000.00			
	Specification:							
	Plant Tissue Culture Grade							
96	Sorbitol, Formula: C6H14O6	500gms	5	25,000.00	125,000.00			
	Specification:							
	Boiling point: 296 °C							
	Molar mass: 182.17 g/mol,							
	Application: suitable for plant tissue culture							
	Application: suitable for plant tissue of							



02	SYBR Green Real-Time PCR Master Mix	set	5	30,000.00	150,000.00			
	Specification:							
	?Use for Real-Time PCR (qPCR)							
	?Concentration: 2X							
	?Detection Method: SYBR							
	?No. of Reactions: =/>200 Reactions.							
	?Total volume: =/> 5 mL							
	?With polymerase included (e.g., Ampl	l aq Gold	DNA Polymera	ise).				
03	Taq DNa Polymerase	unit	10	13,000.00	130,000.0			
	Specification:			——————————————————————————————————————				
	100-500 units							
	Materials- enzyme solution							
	Volume- 0.5- 1.0ml							
	Englures High appoints and yield au							
	Features- High specificity and yield, su	itable for s	andard PCR a	appplications				
04	TBE or TAE Buffer Specification: • Materials: Tris, Boric Acid, ED	liter	5	4,000.00	20,000.0			
04	TBE or TAE Buffer Specification:	liter	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE)	20,000.00			
	TBE or TAE Buffer Specification: • Materials: Tris, Boric Acid, ED • Volume: 1 liter bottles	liter	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE)				
	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant	TA (TBE) o	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength				
	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant cell and tissue culture (25gms)	TA (TBE) o	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength				
05	TBE or TAE Buffer Specification:	TA (TBE) o	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength	19,600.0			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams	Iliter TA (TBE) of thoresis, matter btl	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00	19,600.00			
05	TBE or TAE Buffer Specification:	Iliter TA (TBE) of thoresis, matter btl	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electropl Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification:	Iliter TA (TBE) of the process of t	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture	Iliter TA (TBE) of thoresis, matter btl	5 r Tris, Acetic A	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture Tween 80 Specification:	liter TA (TBE) of the process of th	5 r Tris, Acetic A aintains pH and 4 ot 4	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00 15,000.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED Volume: 1 liter bottles Features: Suitable for electropl Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture Tween 80 Specification: Tween 80 (polysorbate 80, poly	liter TA (TBE) of the process of th	5 r Tris, Acetic A aintains pH and 4 ot 4	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00 15,000.00	19,600.0			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED. Volume: 1 liter bottles Features: Suitable for electropl Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture Tween 80 Specification: Tween 80 Specification: Tween 80 (polysorbate 80, poly non-ionic surfactant used for plant tissue culture)	liter TA (TBE) of the process of th	5 r Tris, Acetic A aintains pH and 4 ot 4	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00 15,000.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED. Volume: 1 liter bottles Features: Suitable for electrope Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture Tween 80 Specification: Tween 80 Specification: Tween 80 (polysorbate 80, poly non-ionic surfactant used for plant zinc sulfate (ZnSO4, 7H2O)	liter TA (TBE) of the process of th	5 r Tris, Acetic A aintains pH and 4 ot 4 ot 4 ne sorbitan more	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00 15,000.00 3,500.00	19,600.00			
05	TBE or TAE Buffer Specification: Materials: Tris, Boric Acid, ED. Volume: 1 liter bottles Features: Suitable for electropl Thiamine.HCI suitable for plant cell and tissue culture (25gms) Specification: 25 grams Thidiazuron (TDZ) Specification: suitable for plant tissue culture Tween 80 Specification: Tween 80 Specification: Tween 80 (polysorbate 80, poly non-ionic surfactant used for plant tissue culture)	liter TA (TBE) of the process of th	5 r Tris, Acetic A aintains pH and 4 ot 4	4,000.00 Acid, EDTA (TAE) d ionic strength 4,900.00 15,000.00	19,600.0			

?500gran	ns				
	TOTAL			3,303,500.00	
Purpose: Lab	oratory use				
Checked by:	GENESIS CALBAR	ICO	Funds Available: ALICIAM. FLORES OWN		
	TWG - Laboratory Sup	pplies		, BUDGET OFFICE	
Signature: Printed Name:	JOHN S. BAHANDI		. copog	Approved by: PROSE IVY G. YEPES	
Designation:	/	UNIT HEAD, P	ROJECT LEADER	PRESIDENT, VSU	