



1/15/24 *offm*



Republic of the Philippines
VISAYAS STATE UNIVERSITY
Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No. : 15-1-8-2024-10-0-1

PR No.: STF-2024-01-00036

Date: 01-11-2024

Dept./Office: DOPAC

Category: Laboratory
Supplies

Section/End-User: Jane M. Abapo

Project Title/Code: FF 24 - LABORATORY FEES -
DOPAC

Funding Source: Special Trust Fund

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Acetone	gal	2	1,600.00		3,200.00
Specification: ?Acetone, Technical Grade ?1gal						
2	Ammonium Phosphate Dibasic	btl	1	1,000.00		1,000.00
Specification: ?Analytical Grade ?500 G bottle						
3	Anhydrous Sodium Sulfate, AR	btl	1	2,000.00		2,000.00
Specification: - Analytical grade - Anhydrous - Powder form - Size: 500g per bottle						
4	Benedict's Solution 1000mL	btls	3	400.00		1,200.00
Specification: Technical Reagent Grade 1000mL per bottle						
5	Benzoic Acid	btl	1	1,000.00		1,000.00
Specification: - Benzoic Acid Tablet - Pack size: 500g						
6	Cadmium AAS Standard Solution	btl	1	4,000.00		4,000.00
Specification: Specifications Appearance (Clarity)						

Clear

Appearance (Colour)

Colourless

Appearance (Form)

Liquid

Concentration (Cd)

1000 ± 50 mg/Ltr

General Information

Storage

Room Temperature

Shelf Life

36 Months

IMDG Identification

UN No.:3264 , IMCO Class No.:8 , Packing Group:III

PACK SIZE: 250mL / bottle

7	Calcium AAS Standard Solution	btl	1	4,000.00		4,000.00
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Specification:

Specifications

Appearance (Clarity) Clear

Appearance (Colour) Colourless

Appearance (Form) Liquid

Concentration (Ca) 1000 ± 50 mg/Ltr

General Information

Storage

Room Temperature

Shelf Life		36 Months				
Pack Size		250ml				
8	Calcium Carbide	kgs	1	1,000.00		1,000.00
Specification: Calcium carbide (pieces, thickness <10 mm , typically, technical grade, ~80%)						
9	Carbon Tetrachloride	btl	2	5,500.00		11,000.00
Specification: Analytical Reagent Grade 2.5L per bottle						
10	Casein	packs	1	1,300.00		1,300.00
Specification: • Food grade casein • 1kg/pack						
11	Chloroform 2.5L	btl	1	1,500.00		1,500.00
Specification: Analytical Reagent Grade 2.5L per bottle						
12	Chromium AAS Standard Solution	btl	1	4,000.00		4,000.00
Specification: Specifications Appearance (Clarity) Clear Appearance (Colour) Blue Appearance (Form) Liquid Concentration (Cr) 1000 ± 50 mg/Ltr General Information Storage Room Temperature Shelf Life 36 Months Pack size 250mL						
13	Cobalt AAS Standard Solution	btl	1	4,000.00		4,000.00
Specification: Specifications Appearance (Clarity) Clear						

Appearance (Colour) Light pink Appearance (Form) Liquid Concentration (Co) 1000 ± 50 mg/Ltr General Information Storage Room Temperature Shelf Life 36 Months Pack Size 250mL						
14	Condom or Rubber Sheath	pcs	10	110.00		1,100.00
Specification: material: Latex rubber						
15	Copper AAS Standard Solution	btl	1	4,000.00		4,000.00
Specification: Specifications Appearance (Clarity) Clear Appearance (Colour) Blue Appearance (Form) Liquid Concentration (Cu) 1000 ± 50 mg/Ltr General Information Storage Room Temperature Shelf Life 36 Months Pack Size 250mL						
16	Copper Acetate, Monohydrate	btl	1	850.00		850.00
Specification: AR, 500 grams						
17	Cyclohexene	btl	1	3,187.00		3,187.00
Specification: Analytical Reagent Grade 2.5L per bottle						
18	Cysteine	btl	1	5,000.00		5,000.00
Specification:						

analytical reagent grade 25g per bottle						
19	D-(+)-Glucose	btl	1	11,750.00		11,750.00
Specification: - D-(+)-Glucose- Dextrose ≥99.5% (GC) - application(s): cell culture embryo: suitable - powder form - G6152-1KG						
20	D-(+)-Maltose monohydrate, AR	btl	1	6,500.00		6,500.00
Specification: - Analytical Standard - HPLC suitable - Size: 500 mg per bottle						
21	Dessicator, Glass	pc	2	14,000.00		28,000.00
Specification: ? Dessicator, Glass, 300mm (12")						
22	Dichloromethane	btls	2	2,000.00		4,000.00
Specification: Analytical reagent grade, 2.5L/bottle						
23	Ethanol	gallon	3	1,500.00		4,500.00
Specification: AR grade, 2.5L, at least 95% v/v						
24	Fructose	btl	1	1,000.00		1,000.00
Specification: Analytical Reagent Grade, 500g per bottle						
25	Glacial Acetic Acid, Analytical Standard	btl	2	2,000.00		4,000.00
Specification: - Certified analytical standard - HPLC and GC suitable - Size: 2.5L per bottle						
26	Gloves, Nitrile, Large	box of 50's	2	1,500.00		3,000.00
Specification: ?Glove Type: Chemical Resistant Disposable Gloves ?Glove Material: Nitrile ?Powder-Free						

?1 box of 100 or 50 pairs ?Food Safe ?Size: large																				
27	Glycine	btl	1	7,400.00		7,400.00														
Specification: ?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																				
28	Histidine	btl	1	2,000.00		2,000.00														
Specification: Analytical Reagent Grade 25g per bottle																				
29	Iodine crystals	btl	1	2,500.00		2,500.00														
Specification: Analytical Grade resublimed, 500g per bottle																				
30	Iron AAS Standard Solution in 0.5N HNO3	btl	1	3,500.00		3,500.00														
Specification: Specifications <table><tr><td>Appearance (Clarity)</td><td>Clear</td></tr><tr><td>Appearance (Colour)</td><td>Colourless</td></tr><tr><td>Appearance (Form)</td><td>Liquid</td></tr><tr><td>Concentration (Fe)</td><td>1000 ± 50 mg/Ltr</td></tr></table> General Information <table><tr><td>Storage</td><td>Room Temperature</td></tr><tr><td>Shelf Life</td><td>36 Months</td></tr><tr><td>Pack Size</td><td>250ml</td></tr></table>							Appearance (Clarity)	Clear	Appearance (Colour)	Colourless	Appearance (Form)	Liquid	Concentration (Fe)	1000 ± 50 mg/Ltr	Storage	Room Temperature	Shelf Life	36 Months	Pack Size	250ml
Appearance (Clarity)	Clear																			
Appearance (Colour)	Colourless																			
Appearance (Form)	Liquid																			
Concentration (Fe)	1000 ± 50 mg/Ltr																			
Storage	Room Temperature																			
Shelf Life	36 Months																			
Pack Size	250ml																			
31	Isopropanol	btl	1	8,000.00		8,000.00														
Specification: Molecular grade/DNA Extraction In 2.5 L Amber bottle																				
32	Laboratory Weighing Boats	pack	1	1,000.00		1,000.00														

?Plastic, 100 mL
?at least 100 pcs, pack

33	Labware Detergent or Laboratory Dishwashing Liquid	btl	1	2,500.00		2,500.00
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- ?Suitable for manual, ultrasonic, and machine washing
- ?Completely biodegradable
- ?Free of phosphate, chlorine, enzyme, and EDTA
- ?Contains anionic and cationic surfactants
- ?75 liters per bottle

34	Lactose	btI	1	3,565.00		3,565.00
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AR. 500 grams

35	Lead AAS Standard Solution	btj	1	4,000.00		4,000.00
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Specifications

Appearance (Clarity)	Clear
Appearance (Colour)	Colourless
Appearance (Form)	Liquid
Concentration (Pb)	1000 ± 50 mg/Ltr

General Information

Storage	Room Temperature
100% Pass	100% Pass

Shelf Life	36 Months
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Pack Size	250mL
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36	Litmus Paper (Blue)	Vial	2	600.00		1,200.00
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- Blue Litmus Test Paper
- Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution ($\text{pH} < 7$). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower.
- Strip Quantity: 100 strips
- Other: Additional sheet sizes available upon request
- Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]

- Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]
- Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)
- Weight: 0.02 lbs [9 g] (single vial)
- Other: Stored in a pocket-sized, lightweight vial.
- Shelf-Life: 3 Years Minimum

37	Magnesium chloride, MgCl₂	btl	1	3,000.00		3,000.00
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Specification:

?1kg per bottle
 ?colorless crystalline solid
 ?Properties:
 ?Quality Level: **300**
 ?Grade: **anhydrous**
 ?Assay: **?98%**
 ?Form: **powder**
 ?Impurities: **?0.5% Insolubles**
 ?bp: **1412 °C/1 atm (lit.)**
 ?mp: **714 °C (lit.)**
 ?Density: **2.32 g/mL at 25 °C (lit.)**

38	Manganese AAS Standard Solution	btl	1	3,500.00		3,500.00
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Specification:

Specifications

Appearance (Clarity)	Clear
Appearance (Colour)	Colourless
Appearance (Form)	Liquid
Concentration (Mn)	1000 ± 50 mg/ Ltr

General Information

Storage

Room Temperature

Shelf Life

36 Months

Pack Size: 250ml

39	Microcapillary tube	btl	3	240.00		720.00
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Specification:

diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes						
40	Microscope Slide Box	pcs	5	300.00		1,500.00
Specification: • capacity: holds up to 25 microscope slides • dimension:9.4cm*8.2cm*3.2cm • weight:56g • material: plastic • color: white						
41	Nickel AAS Standard Solution	btl	1	4,000.00		4,000.00
Specification: Specifications Appearance (Clarity) Clear Appearance (Colour) Light blue Appearance (Form) Liquid Concentration (Ni) 1000 ± 50 mg/Ltr General Information Storage Room Temperature Shelf Life 36 Months Pack Size 250mL						
42	Ninhydrin (1,2,3 -Indanetrione monohydrate), 25g	btl	2	2,000.00		4,000.00
Specification: ?CAS 485-47-2 ?White solid ?50g ?Analytical Grade						
43	Pasteur pipette	pc	50	20.00		1,000.00
Specification: • Specifications • 230mm Overall Length, 108mm Tip Length, 120 mm Body Length, • Type 1 Clear Glass • Non-sterile • Max dispensing volume : 2mL • No graduations						
44	Petroleum Ether, AR	gallon	1	3,500.00		3,500.00

45	pH-indicator paper pH 1 - 14 Universal indicator	pack	7	500.00		3,500.00
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Specification:

General description

Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14

pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.

PROPERTIES

Quality Level 100

feature **non-bleeding: no**

graduations and accuracy measuring range **accuracy: 1 pH unit**

roll L **4.8 m , with color scale**

pH range **1-14**

detection method **colorimetric**

storage temp. **15-25°C**

46	Potassium AAS Standard Solution	btl	1	4,000.00		4,000.00
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Specification:

Specifications

Appearance (Clarity) **Clear**

Appearance (Colour) **Colourless**

Appearance (Form) **Liquid**

Concentration (K) **1000 ± 50 mg/Ltr**

General Information

Storage **Room Temperature**

Shelf Life **36 Months**

Pack Size **250mL**

47	Potassium Chloride 500g	kgs	1	1,500.00		1,500.00
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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

48	Potassium iodide, KI	btl	2	5,000.00		10,000.00
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Specification:

- ?Analytical reagent grade, powder, 500g/bottle

49	Red Litmus Test Paper	Vial	2	600.00		1,200.00
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Specification:

- Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH >7).
- Strip Quantity: 100 strips
- Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]
- Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]
- Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)
- Weight: 0.02 lbs [9 g] (single vial)
- Other: Stored in a pocket-sized, lightweight vial.
- Shelf-Life: 3 Years Minimum

50	Silver Nitrate, AgNO3	btl	1	15,000.00		15,000.00
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Specification:

- Analytical reagent grade, 100g/bottle

51	Sodium Acetate (NaOAc)	btls	1	4,000.00		4,000.00
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Specification:

- 500g/bottle
- Purity % - 99%
- Grade Standard - Lab Grade

52	Sodium Chloride	btl	1	750.00		750.00
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Specification:

- Analytical Reagent Grade 500g per bottle

53	stearic acid, technical grade	kgs	1	140.00		140.00
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54	Sucrose	btl	1	1,000.00		1,000.00
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Specification:

Analytical Reagent Grade 500g per bottle

55	Tertiary Butyl Alcohol (TBA), Technical, 1L/btl	btl	2	700.00		1,400.00
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Specification:

- tert-Butanol, synthesis grade
- (CH₃)₃COH

56	TLC Plate, Silica Gel 60 F254	Box of 25's	1	20,000.00		20,000.00
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Specification:**DESCRIPTION****General description**

25 Glass plates 20 x 20 cm

Analysis NoteSpecific surface area (according to BET; 5-Pt.measurement): 480 - 540 m²/gPore volume(N₂-isotherm): 0.74 - 0.84 ml/g

d 50 (laserdiffraction, size distribution): 9.7 - 11.7 µm

Layerthickness: 210 - 270 µm

Deviationof layer thickness per plate: ? 35 µm

Chromatographic testing:

A) colourtest

hRf-values

- bleu viforganol, colour test, lipophile: 11 - 25

- CeresBlack G, colour test, lipophile: 34 - 48

- ceresViolet brn, colour test, lipophile: 52 - 67

separationnumber (colour test, lipophile): ? 10.5

B) Steroid test

hRf-values

- Hydrocortisone, steroid test: 25 - 37

- Reichstein S, steroid test: 37 - 49

- Methyltestosterone, steroid test: 42 - 54

Typical value determined on a conditioned plate

Eluent A) Toluene (45% rel. humidity)

Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity) PROPERTIES

material

glass support

silica gel 60 matrix

Quality Level

feature

binder Organic Polymer
fluorescent indicator

packaging

pkg of 25 plates

technique(s)

thin layer chromatography (TLC): suitable

layer thickness

250 μ m

plate L $\times$ W

20 cm $\times$ 20 cm

particle size

10-12 μ m

pore size

60 Å medium pore diameter

storage temp.

2-30°C

57	Toluene	btl	2	7,300.00		14,600.00
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Specification:

?(CAS 108-88-3)
?2.5 liters,
?Analytical Grade
?99.5%,

58	Tryptophan	btl	1	2,500.00		2,500.00
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Specification:

Analytical Reagent Grade 500g per bottle

59	Zinc Chloride, Analytical Grade, 500g/btl	btl	1	1,500.00		1,500.00
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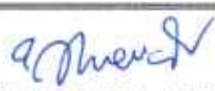
Specification:

7AR grade, 500 g per bottle

TOTAL**254,062.00**

Purpose: Laboratory use

Checked by:


ELIZABETH S. QUEVEDO

TWG - Laboratory Supplies

Funds Available:


ALICIA M. FLORES

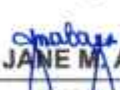
HEAD, BUDGET OFFICE

Signature:

Printed Name:

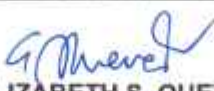
Designation:

Requested by:


JANE M. ABAPO

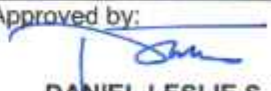
END USER

Noted by:


ELIZABETH S. QUEVEDO

UNIT HEAD, PROJECT LEADER

Approved by:


DANIEL LESLIE S. TAN

OIC-PRESIDENT, VSU