



09/13/22



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

## PURCHASE REQUEST

PR No.: GF-2022-09-01617

Date: 09-13-2022

Dept./Office: CVM

Category: Laboratory  
Supplies

Section/End-User: Santiago T. Peña Jr.

Project Title/Code: Environmental Impact of Swine  
Production in the Province of Leyte

Funding Source: General Fund - MOOE

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	16 in 1 Drinking Water Test Kit	kit	3	2,000.00		6,000.00
<b>Specification:</b>  Professional Hardness Testing Kits, Tap and Well Water Test Strips with Hardness, PH, Mercury, Lead, Iron, Copper, Chlorine, Chromium/Cr, Cyanuric Acid						
2	22 mm x 22 mm cover slip (0.13-0.16 mm thickness)	boxes	2	500.00		1,000.00
<b>Specification:</b>  22 mm x 22 mm (0.13- 0.16 mm thickness) at least 72 pcs. per box						
3	Absolute Ethanol - 99.5%	btls	1	5,000.00		5,000.00
<b>Specification:</b>  Purity (GC): ? 99.5 %  1 bottle contains 1 liter						
4	Absolute Methanol - 99.5%	btl	1	5,000.00		5,000.00
<b>Specification:</b>  Purity (GC): ? 99.5 %  1 bottle contains 1 liter						
5	Autoclave Tape	pcs	2	450.00		900.00
<b>Specification:</b>  Autoclave Tape <ul style="list-style-type: none"> <li>• turns black at 250°F,</li> <li>• width - ¾ inch</li> <li>• length- minimum of 60 yards</li> </ul>						

6	<b>Blood Agar Base</b>	btl	1	4,000.00		4,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• Enrichment medium and used for the hemolysis test.</li> <li>• supplied in 500g/bottle</li> </ul>						
7	<b>Brain Heart Infusion Broth</b>	btl	1	3,000.00		3,000.00
<b>Specification:</b> Brain Heart Infusion broth, 500g						
8	<b>Brilliant Green Agar</b>	btl	1	9,000.00		9,000.00
<b>Specification:</b> Salmonella selective medium 500g per bottle						
9	<b>Buffer solution, pH 7, 1000 ml.</b>	btl	1	1,000.00		1,000.00
10	<b>Campylobacter Selective Agar + Supplement</b>	btl	1	17,000.00		17,000.00
<b>Specification:</b> Campylobacter Selective Agar + Supplement, 500g						
11	<b>Centrifuge Rack, Multifunction</b>	unit	5	750.00		3,750.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• For storage and general-purpose</li> <li>• Fit for 10mL, 15mL, 50mL centrifuge tubes</li> <li>• The centrifuge tube rack can be disassembled and easily assembled.</li> <li>• The centrifuge tube rack after assembly has two layers</li> <li>• Holds 30 pcs of 15 mL tubes and 20 pcs of 50mL tubes</li> </ul>						
12	<b>Cryogenic Boxes</b>	pcs	3	600.00		1,800.00
<b>Specification:</b> Cryogenic boxes w/ dividers, plastic, 9x9 or 10x10, transparent, for 1.5/2.0mL tubes, 81-100 wells, natural color, w/ hinge and snap clasp, autoclavable						
13	<b>Cryovial External Thread</b>	unit	2	6,000.00		12,000.00
<b>Specification:</b> Cryovial external thread, 1.8ml, 500s						
14	<b>Digital PH TDS EC Meter kit</b>	kit	4	500.00		2,000.00
<b>Specification:</b> Digital pen style pH meter						



TDS meter tester						
15	Disposable Gas Generator Envelopes	boxes	1	20,000.00		20,000.00
<b>Specification:</b>  Anarobic and CO2 indicator  for GasPak system  10 foil envelopes per box						
16	DNA extraction kit	set	1	25,000.00		25,000.00
<b>Specification:</b>  Extract genomic DNA from different samples (e.g., manure, blood, tissue).  Silica-gel membrane-based spin-column technology  All buffers, elution water, and microtubes included.  =>50 DNA preparations						
17	DNA Ladder	Vial	1	15,000.00		15,000.00
<b>Specification:</b>  DNA Ladder 50bp, 50 µg, with loading dye						
18	DNA Ladder 100Bp	Vial	1	9,200.00		9,200.00
<b>Specification:</b>  DNA Ladder 100bp, for at least 50 lanes, with loading dye						
19	Eosin Methylene Blue Agar	btls	1	4,000.00		4,000.00
<b>Specification:</b>  Agar powder  Culture media  500 g per bottle						
20	Finepoint High Precision Forceps	pcs	2	300.00		600.00

<b>Specification:</b>						
Tip Style: Fine		Material: Stainless Steel			Length 4.5"	
21	<b>Genomic DNA Extraction Kit</b>	kit	1	25,000.00		25,000.00
<b>Specification:</b>  Extract genomic DNA from different samples (e.g., manure, blood, tissue).  Silica-gel membrane-based spin-column technology  All buffers, elution water, and microtubes included.						
22	<b>Glass Staining Block with Cover</b>	pcs	3	1,600.00		4,800.00
<b>Specification:</b>  Clear polished glass  Cavity 30mm diameter x 6mm deep  Complete with flat glass cover  40mm square to minimize evaporation						
23	<b>Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit</b>	set	2	5,000.00		10,000.00
<b>Specification:</b>  Glassware Vacuum Filtration Memne Buchner Funnel Flask Apparatus Kit with Manual Pump and MCE Filter  - Materials: borosilicate glass, rubber, aluminum, abs  - Diameter of Sand Cone: 40mm, 40mm is also the inner diameter of the filter joint. So you have to choose the membrane filters of larger size than Diam. 40mm.  - Filter Flask Capacity: 500ml or 1000ml  - Graduated Funnel Capacity: 300ml (50mL graduations for quick, easy measurement)  - Funnel Top Diameter: 8cm; the filter is 12cm high.  - Funnel Top Volume: 300ml  - Membrane diameter: 50mm  - Membrane filter size: 0.22/0.45um  - Manual Pump: ABS material, -600mm Hg.						

24	Gloves, Nitrile, Large	box of 50's	4	1,500.00		6,000.00
<b>Specification:</b>  ?Glove Type: Chemical Resistant Disposable Gloves ?Glove Material: Nitrile ?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: large						
25	Gloves, Nitrile, Medium	box of 50's	4	1,500.00		6,000.00
<b>Specification:</b>  ?Glove Type: Chemical Resistant Disposable Gloves ?Glove Material: Nitrile ?Powder-Free ?1 box of 100 or 50 pairs ?Food Safe ?Size: Medium						
26	Gloves, Nitrile, Small	box of 50's	4	1,500.00		6,000.00
<b>Specification:</b>  ?box or 100-50 pairs, small ?natural rubber latex-free, powderless ?micro grip						
27	Glycerol	btl	1	8,450.00		8,450.00
<b>Specification:</b>  ?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						
28	Hand Soil Auger	unit	1	3,500.00		3,500.00
<b>Specification:</b>  Material: stainless steel  Auger length: 25cm  Length: 0.5m  External Diameter: 38mm						



29	Inoculating Loop Stainless Steel	pack of 10's	2	1,200.00		2,400.00
<b>Specification:</b> ?10PCS 1-6mm Inoculation Loop Nichrome Wire Lab Bacteria Culture Microbiology						
30	Kinyoun's Carbofuchsin stain	btl	1	8,000.00		8,000.00
<b>Specification:</b> For Cryptosporidium modified acid-fast staining procedures. 1 bottle contains 500 mL						
31	Lab Gown Long Sleeves L	pcs	2	500.00		1,000.00
<b>Specification:</b> ?Lab Coat High-quality White ?Size- Large; long sleeves						
32	Lab Gown Long Sleeves M	pcs	2	500.00		1,000.00
<b>Specification:</b> ?Lab Coat High-quality White ?Long Sleeves ?Medium size						
33	Loading Dye for Electrophoresis	Vial	1	3,100.00		3,100.00
<b>Specification:</b> Loading Dye for Electrophoresis, (2-3 colors) 6x min. concentration, at least 3ml volume PER VIAL						
34	MacConkey Agar	btl	1	10,000.00		10,000.00
<b>Specification:</b> <ul style="list-style-type: none"> <li>• selective medium</li> <li>• aids in identifying non-lactose fermenters (transparent or cream colonies) and lactose fermenter (red to pinkish colonies)</li> <li>• supplied in 500g/bottle</li> </ul>						
35	Malachite green stain	btl	1	2,000.00		2,000.00

<b>Specification:</b>  Use as a counterstain of Ziehl-Neelsen and Kinyoun staining.  1 bottle contains 500 mL  Laboratory grade						
36	Manual Pipette Pump	pcs	5	700.00		3,500.00
<b>Specification:</b>  Manual Pipette Pump (plastic), w/ fast release lever/button (2ml)						
37	Manual Pipette Pump - 10ml	pcs	3	700.00		2,100.00
<b>Specification:</b>  Manual Pipette Pump (plastic), w/ fast release lever/button (10ml)						
38	Manual Pipette Pump- 25ml	pcs	2	700.00		1,400.00
<b>Specification:</b>  Manual Pipette Pump (plastic), w/ fast release lever/button (25ml)						
39	Membrane Filter	boxes	2	3,000.00		6,000.00
<b>Specification:</b>  Mixed cellulose esters (MCE) membrane  Naturally hydrophilic  Pore size: 0.22µm-3µm,  Diameter: 50mm  1 box with atleast 100 pcs  non-sterile						
40	Mesh Filter Cloth	pcs	3	300.00		900.00
<b>Specification:</b>  Color: White.  Material: Nylon  Mesh: 200 mesh  Size: 1m x 1m/39.4"m x 39.4"						
41	Microtube Storage Boxes	packs	1	3,500.00		3,500.00
<b>Specification:</b>						

100-Well Microtube Storage Boxes.

For 1.5-2.0 mL microtubes storage.

Pack of 5

Ideal for laboratory storage at -80 degree celcius

42	<b>Nutrient Agar, 500g</b>	btl	1	6,000.00		6,000.00
43	<b>Nutrient Gelatin</b>	btl	1	7,000.00		7,000.00

**Specification:**

Nutrient Gelatin, 500g

44	<b>Paraffin Wax</b>	bag	1	4,000.00		4,000.00
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**Specification:**

Form: pellets, white

Ign residue: 70.05%

Melting point: 43-95 degrees celsius

Solidification point: 54-56 degree celcius

1kg per bag

45	<b>Paraformaldehyde</b>	btl	1	8,750.00		8,750.00
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**Specification:**

?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

46	<b>Phosphate Buffered Saline (PBS)</b>	btls	1	5,000.00		5,000.00
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**Specification:**

10x concentrate

pH 7.4.

Contains 100mM phosphate buffer, 27mM potassium chloride and 1.37M sodium chloride.

1 bottle contains 500 mL

Laboratory grade

47	<b>Polymerase Chain Reaction Master Mix</b>	kit	1	4,000.00		4,000.00
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<b>Specification:</b> Polymerase Chain Reaction Master Mix, 100 x 50 µl reactions						
48	<b>Polymerase Chain Reaction Tubes</b>	pack	1	5,000.00		5,000.00
<b>Specification:</b> 0.2ml 12 Strips Polymerase Chain Reaction Tube w/ cap, 125 pcs/pack, round caps						
49	<b>Polymerase Chain Reaction Tubes Rack</b>	pcs	1	3,500.00		3,500.00
<b>Specification:</b> Polymerase Chain Reaction Tubes rack (for storage)(w/ removable hinged lid), accommodatesaccommodates 168 x 0.2 mL + 12x 1.5ml OR 40 x 0.5 mL + 12x 1.5ml tubes. pack of 5						
50	<b>Potato Dextrose Agar (PDA), 500 grams</b>	btl	1	4,500.00		4,500.00
51	<b>PPE Medical Grade Coverall Suit</b>	set	2	300.00		600.00
<b>Specification:</b> Free size (best fit Small to XL) Microfiber and Tafetta Water Repellant - Washable and Reusable - Garterized hood, cuffs, ankle and waist - Lighweight						
52	<b>Primer for Campylobacter</b>	Ampule	1	10,000.00		10,000.00
<b>Specification:</b> Forward-reverse primer for Campylobacter Ampule						
53	<b>Primer for E.coli O157H7</b>	Ampule	1	10,000.00		10,000.00
<b>Specification:</b> Primers, forward and reverse oligonucleotides for stx1 and stx 2 of E. coli O157H7 Ampule						
54	<b>Primer invA for Salmonella</b>	Ampule	1	10,000.00		10,000.00
<b>Specification:</b> Primer, oligonucleotides forward and reverse for invA of Salmonella						

Ampule						
55	Primer sets for qPCR	sets	2	5,000.00		10,000.00
<b>Specification:</b>  Paid services to synthesize, pack the lyophilized primers, and send them to the end user						
56	Rappaport Vasiliadis	btl	1	4,500.00		4,500.00
<b>Specification:</b>  Rappaport Vasiliadis, 500g						
57	Sabouraud Dextrose Agar	btl	1	4,800.00		4,800.00
<b>Specification:</b>  500g						
58	Sheather's sugar flotation solution	btls	2	2,000.00		4,000.00
<b>Specification:</b>  Sheather's sugar flotation solution  With a specific gravity of 1.25 to 1.27.  For the fecal flotation method.  Laboratory grade  1 bottle contains 1 L of solution.						
59	Soil Scoop/Shovel	pcs	10	90.00		900.00
<b>Specification:</b>  Soil scoop/shovel, plastic						
60	Soil Tester Kit - 20 tests	kit	2	3,600.00		7,200.00
<b>Specification:</b>  Rapid test Soil Tester Kit for pH N P K; 20 tests						
61	Standard Buffer solution	btl	1	1,000.00		1,000.00
<b>Specification:</b>  pH 4, 1000 ml; calibration certificate included						
62	Standard Lab Test Sieve	pcs	3	300.00		900.00
<b>Specification:</b>  Stainless Steel Sieve.						

Size: diameter 20cm,

height 5cm.

Aperture: 100um

mesh 0.15mm aperture

63	<b>Sterile Nuclease-Free Water</b>	btl	1	5,000.00		5,000.00
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**Specification:**

Sterile Nuclease-Free Water (at least 500ml)

64	<b>Storage Tray</b>	pcs	10	60.00		600.00
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**Specification:**

Tray basket organizer

Product Dimension: L(19.3cm), W(24.5cm), H(6.5cm)

Plastic, any color

65	<b>Sulfuric Acid - 95-98%</b>	btl	1	5,000.00		5,000.00
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**Specification:**

Free from suspended or insoluble matter

Nominally 95-98% H<sub>2</sub>SO<sub>4</sub>

1 bottle contains 500 mL

66	<b>SYBR Green Real-Time PCR Master Mix</b>	set	1	30,000.00		30,000.00
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<b>Specification:</b>  Use for Real-Time PCR (qPCR)  Concentration: 2X  Detection Method: SYBR  No. of Reactions: $\geq 200$ Reactions.  Total volume: $\geq 5$ mL  With polymerase included (e.g., AmpliTaq Gold DNA Polymerase).						
67	<b>Tetrathionate Broth Base</b>	btl	1	5,000.00		5,000.00
<b>Specification:</b>  Tetrathionate broth base, 500g						
68	<b>Thin Walled Polymerase Chain Reaction Tubes</b>	pack	1	3,500.00		3,500.00
<b>Specification:</b>  Thin Walled Polymerase Chain Reaction Tubes, non-sterile, 1000 pcs, 0.2ml, DNase/RNase free (flat cap)						
69	<b>Tris-acetate-EDTA (TAE)</b>	btl	1	4,800.00		4,800.00
<b>Specification:</b>  Tris-acetate-EDTA (TAE) buffer 10x, 1000 ml, for molecular biology (or equivalent concentrate)						
70	<b>Tris-EDTA Buffer Solution</b>	btl	1	8,500.00		8,500.00
<b>Specification:</b>  Tris-EDTA buffer solution, for molecular biology, pH $8.0 \pm 0.1$ (25 °C), DNase, RNase, protease, phosphatase-free, 500ml						
71	<b>Trypticase Soy Agar</b>	btl	1	9,000.00		9,000.00
<b>Specification:</b>  General growth medium  Powder agar  500 g per bottle						
72	<b>Trypticase Soy Broth</b>	btl	1	3,400.00		3,400.00
<b>Specification:</b>  Trypticase Soy Broth, 500g						
73	<b>Utility Bucket</b>	pcs	3	280.00		840.00
<b>Specification:</b>  Utility bucket/ pail with  Cover.						

Capacity: 10L Product

Dimension: L(27cm),

W(27cm), H(26cm)

74	XLD Agar	btl	1	6,000.00		6,000.00
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**Specification:**

Selective medium for Salmonella

Powder agar

500 g per bottle

75	Yeast Potato Dextrose Agar	btl	1	4,000.00		4,000.00
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**Specification:**

Yeast Potato dextrose agar, 500g

**TOTAL**

**457,190.00**

Purpose: CVM Internationalization Research- Project

Checked by:

  
**ELIZABETH S. QUEVEDO**

Funds Available:

  
**ALICIA M. FLORES**

SWG - Laboratory Supplies

HEAD, BUDGET OFFICE

Signature:

Printed Name:

Requested by:

  
**SANTIAGO T. PEÑA JR.**

Noted by:

  
**LOTIS M. BALALA**

Approved by:

  
**EDGARDO E. TULÍN**

Designation:

END USER

UNIT HEAD, PROJECT LEADER

PRESIDENT, VSU