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PR-2024-0415-191114

4/23/24



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

PURCHASE REQUEST

PPMP No.: **PPMP-2024-041224-0065**PR No.: **TF-2024-04-01031**Date: **04-15-2024**Dept./Office: **NCRC-V**Category: **Laboratory Equipment**Duration: **2024-03-04**
toSection/End-User: **Jovannemar P. Anire**Project Title/Code: **101T 20201050-1.121****2025-12-31**Funding Source: **Trust Fund**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Convection Oven for Laboratory use	piece	1	250,000.00		250,000.00

Specification:

Capacity 96 L
 Temperature Range RT+10-200°C
 Ambient Temperature +5-35°C
 Display Resolution 0.1°C
 Internal Dimension 450Wx430Dx505H mm
 Exterior Dimension 590Wx650Dx810H mm
 Shelves 2
 Power Consumption 1400 W
 Electrical Requirement AC 220V, 50Hz

2	Erlenmeyer Flask, Glass, 250mL	pc	2	400.00		800.00
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Specification:

?Material: Borosilicate Glass
 ?Good Quality

3	Freezer (Upright)	unit	1	49,000.00		49,000.00
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Specification:

Warranty:

2-year compressor warranty

3 years Parts and Labor Warranty

- Capacity (cu.ft.): 10.8
- Capacity (L): 308
- Inverter Technology: Inverter
- Refrigerator Frost System: Manual
- Color: Gray
- Refrigerant Type: R-600A

- Power Consumption: 115 W
- Weight: 54 kg
- Dimension (WxDxH): 96 x 715 x 1,705 mm
- Power Voltage- 220-240v

Features:

- High Energy Efficiency R600a Inverter Compressor
- Direct Cool Technology
- Quick Freezing
- Roll bond Evaporator Shelves
- 7 Shelves + Bottom pan
- Door Storage Shelf
- Ice Scraper
- Manual Defrosting
- Adjustable Leg

4	Gel Imaging Device	unit	1	145,000.00		145,000.00
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Specification:

- Exceptional Resolution – 5MP Scientific Camera
- Ready to Use – Ready to connect to PC out of the box
- Innovative cabinet – Built in UV transilluminator, safety shut off switch and viewing port
- Large Field of view – 20cm x 24 cm viewing area
- No focus needed – never have to touch camera
- AutoExposure – no manual manipulation of aperture or shutter speeds required.
- Camera- 5 MP (2592 x 1944), scientific grade sensor
- Power- 150v/400ma
- Lens- 8 mm, F 1.4 hands free lens with Smart Capture technology
- Cabinet- Built in UV transiluminator with safety cut-off switch
- Dimensions- 34.6 x 31.1 x 68.6 cm
- Weight- 21.4 kg

5	Horizontal Electrophoresis Apparatus	unit	1	65,000.00		65,000.00
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Specification:

Output voltage/current- 10V to 150V/10 - 400 mA

Timer- 0 - 99 hr or continuous, audible alert

Overall Dimensions (W x D x H)- 10 x 6.7 x 2.5 in./24.5 x 17 x 6.2 cm

Gel Capacity- 1 large (12.5 x 12 cm), 2 small (12.5 x 6 cm), 4 micro (6 x 6 cm)

Program memory- Last programmed parameters saved

Electrical- Universal 100V- 240V, 50/60 Hz

6	Micropipette single- channel adjustable volumes (Autoclavable) + Desktop or table top autoclave ster	lot	1	130,000.00		130,000.00
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Specification:

6.1. Micropipette single- channel adjustable volumes (autoclavable)- PhP 80,000.00

1. 1 pc (0.1- 2.5 uL)

2. 1 pc (0.5 – 10 ul)

3. 1 pc (2- 20 ul)

4. 1 pc (10- 100 ul)

5. 1 pc (20- 200 ul)

6. 1 pc (100- 1000 ul)

6.2. Desktop or table top autoclave sterilizer- PhP 50,000.00

Specifications:

Power supply: AC 220V/50Hz

24 L stainless steel

Time setting: 1–99 Minutes

Temperature setting: Rt +5~126°C

Working pressure: Along with temperature change

Descriptions:

asy operation, safe and reliable

The sealing ring is made of silicon rubber.

Two safety valves, self-adjustment function. It is well sealed and effectively prevents steam leakage.

Over temperature & over pressure auto-protection.

Power switch, user can control the operation easily.

Immersion type electric heating pope, thermal efficiency is high, stainless steel material tube.

Steam-water inner circulation system: No steam discharge and the environment for sterilizing will be clean and dry.

Double groove pressure gauge, could clearly indicate, convenient observation, reliable performance.

When at lower water level, or at the end of heat preservation time, have buzzer alarm, timing control type will automatically stop heating .

7	Mortar and Pestle, Heavy Duty	unit	5	850.00		4,250.00
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Specification:

?Mortars with spout

?Material: Porcelain for both mortar and pestle

?Inside grinding surface unglazed

?Capacity: 145 mL, 90 x 70 mm

?Heat and cold resistant

8	PCR Thermal Cycler for 0.2ml tubes	unit	1	405,000.00		405,000.00
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Specification:

- Sample capacity: 96 x 0,2 ml, 8-strip, 24 x 0,2 ml plate
- Cooling technology: Peltier
- Temperature control range: + 4 ~ +99°C
- Heating speed of ramping: up to 4,0°C /sec
- Cooling speed of ramping : up to 4,0°C /sec
- Block temp. uniformity: $\pm 0,3^{\circ}\text{C}$
- Block temp. accuracy: $\pm 0,1^{\circ}\text{C}$ (55°C) $\pm 0,2^{\circ}\text{C}$ (? 90°C)
- Display resolution: 0,1°C
- Temp. control mode: Block or Tube
- Ramping rate adjustable: 0,1°C - 4°C
- Memories: 250 typical programs (unlimited by USB)
- Max. cycles: 99 cycles for Nested PCR
- Time up/down: 0-9 min59s, suit for Long PCR
- Temperature up/down: 0,1 - 9,9°C suit for Touchdown PCR
- Soak function: Yes
- Gradient range: 30°C ~ 105°C
- Temp. differential range: 1°C ~ 30°C
- Temp. of hot lid: 30°C -110 °C (Temp. / pressure adjusted)
- Size: 335 (W) x 260 (D) x 270 (H) mm
- Weight: 8 kg
- Interface: 1 x USB
- Power Supply: 100 - 240V, 50-60 Hz \leq 600W
- Power Voltage: 220-240v

WITH WARRANTY AND REPAIR SERVICE FOR AT LEAST 3 YEARS

9	PCR Tubes, 0.2 ml, 1000pcs/pack, clear	pack	5	3,000.00		15,000.00
10	Pipette tips with box, 0.1-10 uL, 10box/pack, short, clear	pack	7	3,000.00		21,000.00
Specification: <ul style="list-style-type: none"> • 96 tips/pack • 10pack/box 						
11	Pipette tips with box, 2.0-200.0 uL, 10box/pack, yellow or clear	pack	7	3,500.00		24,500.00
Specification: <ul style="list-style-type: none"> • 96 tips/pack • 10 pack/box 						
12	UV-Vis Nanodrop Spectrophotometer	piece	1	360,000.00		360,000.00
Specification: <p>Compatibility DYMO LabelWriter 450 printer, Bluetooth keyboard, mouse and barcode reader</p>						

Concentration	dsDNA: Pedestal: 27,500 ng/?L BSA (IgG): Pedestal: 820 (400) mg/mL
Connections	Three USB-A ports, Ethernet, Bluetooth™ and Wi-Fi (Only available on instruments with Wi-Fi/Bluetooth support)
Description	NanoDrop One Microvolume UV-Vis Spectrophotometer with Wi-Fi
Detection	dsDNA: Pedestal: 2.0 ng/?L, Cuvette: 0.2 ng/?L,
Range	BSA (IgG): Pedestal: 0.06 (0.03) mg/mL, Cuvette: 0.006 (0.003) mg/mL
Detector Type	2048-element CMOS Linear Image Sensor
Display	7 in. High Definition Color Display, 1280 x 800 pixels
Dimensions (L x W x H)	20 x 25.4 x 32.3 cm (8 x 10 x 12.7 in.)
Languages	English, French, German, Spanish, Polish, Chinese, Japanese, Korean
Light Source	Xenon Flash
Spectral Bandwidth	±1.8 nm (FWHM at Hg 254 nm)
Voltage	12 VDC
Wavelength Range	190 to 850 nm
For Use With (Application)	Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids;; Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, Kinetics, UV-Vis, and Custom Methods
Keypad	Built-in touchscreen, multipoint capacitive touch
Measurement Time	8 seconds
Pathlength	0.030 to 1.0 mm (auto-ranging)
Photometric Accuracy	3% at 0.97 A, 302 nm, (Absorbance expressed at Abs/mm at 25°C)
Photometric Range	10 mm equivalent: Pedestal: 0–550 A; Cuvette: 0–1.5 A
Power Consumption	Operating: 12 to 18 W; Standby: 5 W
Processor	Android™
Repeatability	Typical: 0.002 A (1.0 mm path) or 1%CV, whichever is greater (SD of 10 individual measurements at 0.97 A)
Sample Temperature	Temperature Control (cuvette only) 37 °C
Sample Volume (Metric)	Minimum 1?L
System Requirements	Windows™ 8.1 and 10, 64 bit
Wavelength Accuracy	±1 nm

Weight(English) 7.9 lb.

Weight (Metric) 3.6 kg

TOTAL

1,469,550.00

Purpose: project use

Checked by:


ELIZABETH S. QUEVEDO

Funds Available:


NICK FREDDY R. BELLO

TWG - Laboratory Equipment

HEAD, ACCOUNTING OFFICE 

Signature:

Printed Name:

Designation:

Prepared by:


JOVANNEMAR P. ANIRE

Noted by:


JOVANNEMAR P. ANIRE

UNIT HEAD, PROJECT LEADER

Approved by:


PROSE IVY G. YEPES 

PRESIDENT, VSU 