



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

SCAN HERE



PR-2023-0413-110876

TO STAT

OP5/10/23 d/bn

PURCHASE REQUEST

PR No.: GF-2023-04-00641

Date: 04-13-2023

PPMP No. : 44-2-1543-2023-0-0-4

Dept./Office: DStat

Section/End-User: Monna E. Bengalan

Funding Source: General Fund - CO

Category: Laboratory
Equipment

Project Title/Code: Completion and Refurbishing of the
Old Library Annex Building (Tech and Scientific
Equipment Savings)-2023b

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Aluminum Breadboard	unit	2	100,000.00		200,000.00
Specification: 350 mm x 1425 mm x 12.7 mm, M6 Taps						
2	Homogenizer/ Dispersing Instrument	unit	1	180,000.00		180,000.00
Specification: Small dispersing instrument for volumes from 0.5 - 100 ml (H ₂ O). It offers a wide speed range from 8000 – 30,000 rpm that enables users to work at high circumferential speeds even with small rotor diameters. A broad choice of dispersing elements guarantees a wide range of applications. Voltage: 230 V, 50/60 Hz Power Rating: 125 W						
3	Michelson Interferometer Educational Kit	unit	1	402,000.00		402,000.00
Specification: <ul style="list-style-type: none">▪ Designed for Educational, Demonstration, and Classroom Use▪ Complete Photonics Kit Includes All Hardware Except Variable Power Supply for the Thermal Expansion Experiment (12 VDC, 2 A)▪ Extensive Manual and Teaching Materials Provided▪ Easy to Assemble and Use▪ Choose from Educational Kits Containing Imperial or Metric Components▪ Metric Kit						
4	Microscope temperature stage Peltier System	unit	1	200,000.00		200,000.00
Specification: Specifications Simple stage for quick experiments on upright and inverted microscopes. Peltier System stage is a simple to use thermoelectrically cooled stage that accurately controls the temperature of microscope slides to +/-0.1°C from -25 to 120°C. The features are the following:						

- Sample area 35 x 32mm
- 5mm aperture
- Heating/Cooling rate 0.1 to 20°C/min
- Temperature Range -25°C to 120°C
- Control and Stability +/- 0.1°C
- Pt100 temperature sensor
- LCD touch screen control
- DC power control
- RS232 and USB connectivity
- Minimum objective working distance 0.1mm
- Minimum condenser working distance 5mm
- Stage size 105 x 150mm
- PE120XY stage size 160 x 110mm

5	PLN 100x Objective Lens and Fluoro-Max Dyed Green Aqueous Fluorescent Particles	lot	1	191,394.16		191,394.16
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Specification:

1. PLN 100x Objective Lens

Compatible Cover Glass Thickness (mm): N/A

Field of View (mm): 0.22

Focal Length FL (mm): 1.8

Model Number: 1-U2B235

Length excluding Threads (mm): 44.7

Magnification: 100X

Maximum Diameter (mm): 24

Numerical Aperture NA: 1.25

Mounting Threads: RMS / 20.32mm x 36 TPI

Compatible Tube Lens Focal Length (mm):

Focal Length: 180mm

Type: Microscope Objective

Weight (g): 114

Working Distance (mm): 0.15

Resolving Power (?m): 0.27

Depth of Field (?m): 0.27

Field Number (mm): 22

Parfocal Length (mm): 45

Style: Infinity Corrected

Manufacturer: Olympus

Immersion Liquid: Oil

Depth of Focus (?m): 1760

2. Fluoro-Max Dyed Green Aqueous Fluorescent Particles

Specifications:

Diameter= 0.10 μ m

Quantity= 15 ml

Additive	Trace amounts of surfactant to inhibit agglomeration and promote stability
Concentration	1% solids
Contents	Dyed polystyrene microspheres in water
Color	Green
Material	Polystyrene
Product Type	Fluorescent Particle
Dye Type	Firefli™ Fluorescent Green (468/508nm)
Includes	Package Insert Sheet
Particle Density	1.05g/cm ³
Quantity	15 mL
Refractive Index	1.59 at 589nm (25°C)
Stability	Product stable for a minimum of 24 months
Uniformity	<10%
Diameter (Metric) Mean	0.1 ?m
Diameter (Metric) Nominal	0.1 ?m
Diameter (Metric)	0.10 ?m
Unit Size	Each

6	Two channel programmable syringe pump	unit	1	100,000.00		100,000.00
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Specification:

- Holds 2 Syringes up to 60 mL each, can be different sizes

- Both syringes operate in sync. Independent syringe operation, including "Push-Pull", available with the Dual Pump System.
- Infusion rates from 1.436 $\mu\text{L/hr}$ (1 mL syringe) to 7515 mL/hr (60 mL syringe)
- Easy-to-use keypad interface
- One-click program upload from "Pumping Program Generator" spreadsheet
- Space Saving Chassis: Foot print size of only 5 3/4" x 8 3/4"
- Won't take up unnecessary space on your laboratory or production bench
- Input voltage: 220 V AC
- Output voltage: 12 V DC

TOTAL						
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1,273,394.16

Purpose: For academic use

Checked by:

E. S. Quevedo

ELIZABETH S. QUEVEDO

TWG - Laboratory Equipment

Funds Available:

Alicia M. Flores
for ALICIA M. FLORES
HEAD, BUDGET OFFICE

Signature:

Printed Name:

Designation:

Requested by:

Monna E. Bengalan

MONNA E. BENGALAN

END USER

Noted by:

Raulo G. Batidor

RAULO G. BATIDOR

UNIT HEAD, PROJECT LEADER

Approved by:

Edgardo E. Tulin

EDGARDO E. TULIN

PRESIDENT, VSU

5/16/23