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PR-2022-0317-21642

JP 3/17/22



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

PURCHASE REQUEST

Dept./Office: **DOPAC**Section/End-User: **Jane M. Abapo**Funding Source: **Special Trust Fund**PR No.: **STF-2022-03-00222**Date: **03-17-2022**

Category: **Laboratory
Equipment**

Project Title/Code: **DPAC-2022-STF**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Brush for cleaning 250mL Erlenmeyer Flask	pc	10	250.00	JANE M. ABAPO	2,500.00

Specification:

- ?Bristle Color: White Bristle
- ?Brush+Handle Length: 12"
- ?Brush Diameter: 1 3/8"
- ?Brush Length: 3 1/2"
- ?Suitable for cleaning 250mL Erlenmeyer Flask

2	Dissolve oxygen electrode	unit	1	20,000.00	JANE M. ABAPO	20,000.00
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Specification:

- DO electrode compatible with DO700 dissolved oxygen meter
- Temperature and salinity sensor with automatic temperature and salinity compensation
- Manual barometric pressure compensation.
- Dissolved Oxygen Concentration: 0 to 40.00mg/L
- Dissolved Oxygen Saturation: 0 to 200.0%
- The pen-style electrode is easy to dip into a sample in a lab or in the field, making the DO700 an extremely versatile meter.

Measuring Range	(0 to 40.00) mg/L (ppm) (0 to 200.0) %
Resolution	0.1/0.01 mg/L (ppm) 1/0.1 %
Accuracy	Meter: ±0.10 mg/L; with electrode: ±0.40 mg/L
Response Time	?30 s (25 C, 90% response)
Residual current	?0.1 mg/L
Temp. Compensation range	0 to 45 C; Automatic
Salinity Compensation range	0 to 45 ppt; Automatic
Barometric Pressure	66 to 200 kPA
Electrode type	Polarogram type

3	Electronic Gel Rocker	pc	1	25,000.00	JANE M. ABAPO	25,000.00
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Specification:

PRODDUCT SPECIFICATION

Maximum	60 RPM
Motor	DC Motor
Speed Controller	Analogue
Platform Size	25 X 25 cms
Weight	4 kgs
Movement	See - Saw
Timer	0- 60 min (Digital)
Dimension	25 x 25 x 17.5 cms
Operating Voltage	230V, 50 Hz, A.C Supply
Body	MS With Powder Coated Body

4	Erlenmeyer Flask, Glass, 250mL	pc	12	400.00	JANE M. ABAPO	4,800.00
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Specification:

?Material: Borosilicate Glass

?Good Quality

5	Micro pipette, with stand, P10 (0.5-10ul)	unit	1	8,060.00	JANE M. ABAPO	8,060.00
6	Micro pipette, with stand, P100 (10-100ul)	unit	1	8,060.00	JANE M. ABAPO	8,060.00
7	Portable Dissolve Oxygen Meter/ Multimeter Kit	unit	1	135,000.00	JANE M. ABAPO	135,000.00

Specification:

Multimeter Kit measures DO concentration/saturation, pH, mV, Temperature, Conductivity, TDS, Salinity, and Resistivity. It features automatic salinity compensation and manual barometric pressure compensation for DO measurements. In addition, it has automatic one button calibration of 4, 7 and 10 pH with a choice of three-point calibration for better accuracy and it provides automatic temperature compensation. Complete with DO probe, pH/mV/Temp electrode, polymer Conductivity cell, pH and Conductivity calibration solutions, batteries and hard carrying case.

- Measures Dissolved Oxygen concentration/saturation, pH, mV, Conductivity, TDS, Salinity, Resistivity and Temperature
- Automatic salinity compensation and manual barometric pressure compensation for DO measurements .
- One button pH calibration (4, 7, and 10pH)
- Choice of 3 point pH calibration for better accuracy
- One point Conductivity calibration - automatically recognizes 8 calibration solutions from USA, Europe and China series
- Automatic Temperature Compensation (non-linear compensation for purified water <10uS/cm to improve measuring accuracy)
- Memory stores up to 400 readings with series number, measured value and temperature
- Large blue backlit dual LCD display
- Auto power off saves battery life with disable function
- Waterproof housing

- Complete with DO probe, pH/mV/Temp electrode, polymer Conductivity cell, pH and Conductivity calibration solutions, batteries and hard carrying case

Specifications	Range	Resolution	Basic Accuracy
Dissolved Oxygen (Concentration)	0 to 40.00mg/L	0.01mg/L	±1.5%FS
Dissolved Oxygen (Saturation)	0 to 200.0%	0.1%	±1.5%FS
pH	-2.00 to 19.99pH	0.01pH	±0.02pH
mV	-1999 to + 1999mV	1mV	±0.15mV
Conductivity	0.00 to 199.9mS	0.01µS	±1.5%FS
TDS	0 to 100g/L	0.01mg/L	±1.5%FS
Salinity	0 to 100ppt	0.01ppt	±1.5%FS
Resistivity	0 to 100M cm	0.1	±1.5%FS
Temperature (for pH & mV)	32 to 212°F (0 to 100°C)	0.1°	±1°F/±0.5°C
Temperature (other)	32 to 122°F (0 to 50°C)	0.1°	±1°F/±0.5°C
Dimensions/Weight	4.7x2.6x1.2" (120x65x31mm)/ 6.3oz (180g)		

8	Replacement Membrane Caps for Dissolve Oxygen Meter	set	1	7,000.00	JANE M. ABAPO	7,000.00
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Specification:

Replacement or spare Membrane Caps is a set which is for use with Extech Model DO700 Portable Dissolved Oxygen Meter. Comes in a set of three caps.

9	Tetra Vertical Electrophoresis Cell, 4-gel,	set	1	75,000.00	JANE M. ABAPO	75,000.00
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Specification:

[Tetra 4-gel Vertical Electrophoresis System](#) including:

- Tank, lid with power cables, electrode assembly
- Mini cell buffer dam
- Tetra Companion Running Module
- 2 casting stands with 4 casting frames
- 5 short plates and 5 spacer plates with integrated 1.0 mm spacers
- Five 10-well combs



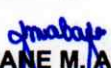


- Five gel releasers
- TGX Stain-Free FastCast Acrylamide Starter Kit, 10%
- PowerPac Universal Power Supply

SPECIFICATION

Number of gels	1-4
Cell (tank and lid with power cables)	1
Companion module (to run up to 4 gels)	1
10-well combs	5
1.0 mm spacer plates (5 plates per box)	1 box
Short plates (5 plates per box)	1 box
Casting stands	2
Casting frames	4
Total buffer volume for 2 gels, ml	800
Total buffer volume for 4 gels, ml	1000
Typical run time for SDS-PAGE\	35-45 min (at 200 V constant)
Power supply	PowerPac™ Universal
Gel format	Mini
Buffer dam	1

	TOTAL					285,420.00
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Purpose: For laboratory use

Checked by:  JACOB GLENN F. JANSALIN TWG- Laboratory Equipment		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:  EDGARDO E. TULIN PRESIDENT, VSU