



PR-2024-1009-229571



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

PURCHASE REQUEST

PPMP No. : **PPMP-2025-092624-0663**PR No.: **STF-2024-10-02804**Date: **10-09-2024**Dept./Office: **DAS**Category: **Laboratory
Equipment**Section/End-User: **Poca Joe A. Didal**Funding Source: **Special Trust Fund**Project Title/Code: **DAS Lab Share 2025**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	Digital Electric Stereo Microscope	pc	1	75,000.00		75,000.00

Specification:**Digital Electric Stereo Microscope Specifications:****Hardware:**

- **Model:** SZX2-ARTTR
- **Observation Tube:** AR tilting trinocular
 - **Angle of Observation Tube:** 5 to 45 degrees
 - **Interpupillary Distance Adjustment Range:** 57 to 80 mm
 - **Eyepiece Magnification:** 1.25X
 - **Camera Magnification:** 1X
 - **Eyepiece Clamping Knob:** Yes
 - **Light-Path Switching Mechanism:** Present
- **Input Connectors:**
 - HDMI x 1
 - USB 2.0 (Type-C) x 1
 - DC Jack x 1
- **Drive Voltage:** AC 100–240 V (AC adaptor)
- **Camera Lucida Adapter:** Present
- **Camera Lucida Included:** Yes
- **Maximum Power Consumption:** 10 W
- **Functions of Buttons on the Front Panel:**
 - AR Image Brightness Adjustment (7 levels)
 - AR Image ON/OFF

Zoom Magnification Sensor Main Functions:

- **Zoom Magnification:** Set at click positions only
- **Slide Movement:** Forward and backward movement of slides in software
- **Output Connector:** USB 2.0 Type-C

Recording:

- **File Saving Formats:** mp4, mov

- **Video Codec:** H264
- **Audio Format:** MP3
- **Audio Codec:** mp3
- **Resolution:**
 - DP23: 1920 × 1080 (Camera Image Range: 1600 × 1080)
 - DP28: 1920 × 1080 (Camera Image Range: 1920 × 1080)
- **Recording Time:** Approximately one hour
- **Camera Image Saving:** Can be saved with AR image simultaneously

Software:

- **Camera Control:**
 - **Exposure Control:** Switching between auto and manual
 - **ISO Sensitivity Adjustment:** ISO100, 200, 400
 - **White Balance Adjustment:** One-touch adjustment
- **Snapshot Acquisition:**
 - **File Saving Formats:** BMP, JPEG, PNG
 - **Resolution:**
 - DP23: 3088 × 2076
 - DP28: 4104 × 2174
- **Software Language:** English

2	Electric Compound Binocular Microscope	pc	1	70,000.00		70,000.00
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Specification:

Objective Lenses:

- DIN standard Achromat 4x, 10x, 40xR, 100xR oil immersion
- Parfocalled, parcentered, color coded, mounted in reverse-facing quadruple nosepiece

Eyepieces:

- Widefield 10x eyepieces, FN18
- Interpupillary adjustment: 55-75mm
- Eyepiece can be fitted with a 20mm diameter reticle

Total Magnification:

- 40x, 100x, 400x, 1000x

Specimen Stage:

- Large 125mm x 115mm stage with built-in mechanical stage
- Mechanical stage provides X-Y movement of 55mm x 75mm

Focusing:

- Rack & pinion coarse focus with tension adjustment
- Separate fine focus
- Coarse focus knob: 20mm stage movement
- Fine focus: 0.2mm movement

Condenser:

- Abbe NA 1.25 condenser with iris diaphragm and filter holder for 32mm filter

Illumination:

- 1W LED illumination with on/off switch and intensity control
- Voltage sensing: 100~240V

Size & Weight:

- Height: 13"
- Depth: 10"
- Width: 8.5"
- Weight: 6 lbs

Warranty: 5-year warranty (excluding LED bulb)**Includes:** Dust cover and blue filter

3	pH meter	unit	1	54,000.00	54,000.00
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Specification:

- **Type:** Digital
- **Included:**
 - pH electrode
 - pH 4, 7, and 10 standard solutions (1L each)
- **Measuring Range:** 0.00 to 14.00 pH
- **Accuracy:** ± 0.012 pH
- **Size:** Bench type
- **Note:** Suitable for conventional pH measurement in an experimental room; designed for ease of use.

	TOTAL				199,000.00
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Purpose: Laboratory Share

Checked by:		Funds Available:	
GENESIS C. ALBARICO		ALICIA M. FLORES <i>UNIFAST</i>	
TWG - Laboratory Equipment		HEAD, BUDGET OFFICE	
Signature:	Prepared by:	Noted by:	Approved by:
Printed Name:	POGA JOE A. DIDAL	MANUEL D. GACUTAN JR.	PROSE IM G. YEPES
Designation:		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU