5.E.70



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

## **PURCHASE REQUEST**

PR No.: TF-2025-04-00503

Date: 05-20-2025

PPMP No.: PPMP-2025-021425-0969

Section/End-User: Michael Anthony Jay B. Regis

Category: Laboratory

Dept./Office: DCST

Equipment

Project Title/Code: 20201050-10.120 Development of Smart Mobile App and (SBC) Device for Detecting

### Specification:

?Burette with PTFE Stopcock ?Material: Glass/Borosilicate Glass

?Capacity: 50mL

Trinocular Compound Microscope w 3D Mechanical Stage + 9MP Camera	unit	1	45,000.00		45,000.00
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#### Specification:

- Eyepieces: 10X, 20X
- Objectives: Achromatic DIN 4X, 10X, 40X(S), 100X(S, Oil)
- · Head: 30 degree inclined 360 degree swiveling trinocular
- Interpupillary distance: 2-1/8" 3-1/8" (53mm 77mm)
- · Adjustable ocular diopter
- Photo Port: height-adjustable 23mm tube
- · Nosepiece: revolving quadruple port
- Mechanical Stage: 3D double-layer with caliper, X-Y-Z movement
- - Size: 4-5/8" x 5" (118mm x 127mm)
- . Travel Range (X-Y): 70mm x 21mm
- · Condenser: NA1.25 Abbe condenser with iris diaphragm
- Transmitted Illumination: variable-intensity LED
- · Focusing: coaxial coarse & fine knobs on both sides
- Power Supply: 100-240VAC, 50/60Hz, AC/DC adapter (UL approved)
- Camera Specification
  - Sensor Type CMOS
  - Sensor Optical Format 1/2.4"
  - o Active Pixels 9M (3488 x 2616)
  - ∘ Pixel Size 1.67µm x 1.67µm
  - o Active Sensor Area 5.82mm x 4.37mm
  - o Shutter electronic rolling shutter
  - o Sensitivity 0.31V/Lux-sec
  - o Spectral Response 380-650nm with IR-cut filter

- o Capture Resolution and Maximum Framerate 1.9fps @ 3488x26168fps @ 1744x130827fps @ 872x654
- O Connectivity USB 2.0
- · Lens-mount C-mount
- Compensating Lens 0.5X
- o Power 5VDC over USB

3 Wiley Mill Lab Scale unit 1 70,000.00 10 20 70,000.00

#### Specification:

- 2 stationary steel edges , cast Iron chamber.
  - · Cast iron base, Aluminium
- Cast chamber, polished hoper with cover, wooden plunger, three delivery tubes mounted with sieves cloth mesh no: 20, 40 and 60 mesh.
- One AllenKey for adjusting blades and 3 Glass Jars, brush etc.
- Electrically operated to work on 220 Volts)
   more structure. These farrowing pens has restrictive pans that prevent the sow from

TOTAL 118,800.00 Purpose: For Research Funds Available: Checked by: NICK FREDDY R. BELLO **ELIZABETH S. QUEVEDO** HEAD, ACCOUNTING OFFICE TWG - Laboratory Equipment Prepared by: Noted by: Approved by: Signature: MICHAEL ANTHONY JAY B. REGIS MANUEL D. GACUTAN JR. PROSERVY G. YEPES Printed Name: UNIT HEAD, PROJECT LEADER PRESIDENT, VSU Designation:

associated with ear notching. The necessary materials for the study include surgical equipment (sterile scalpels, antiseptic solution, surgical gloves, and clean towels), monitoring equipment (CCTV cameras with recording capability), and a digital weighing scale with ±0.01 kg accuracy for precise weight measurements.

fitted with a colored necklace for identification purposes, avoiding the pain

Experimental Design and Treatments

The study will follow a Randomized Complete Block Design (RCBD) with litter as the blocking factor. Five treatment groups will be established: non-castrated controls (T0), and piglets castrated at 3 days (T1), 7 days (T2), 14 days (T3), and 21 days of age (T4). Treatments will be randomly assigned within each litter block, with