



## ADDENDUM NO. 01

Series of 2025

This Addendum No. 01 is issued to modify or amend items in the Bidding Documents for the **Provision of Technical and Scientific Equipment for Molecular Biology Laboratory and School of Medicine (SOM)**. This shall form an integral part of the Bid Documents.

Name of Project:	<b>Provision of Technical and Scientific Equipment for Molecular Biology Laboratory and School of Medicine (SOM)</b>
Location:	CSU Campus, Ampayon, Butuan City
Brief Description:	This project involves the procurement of advanced technical and scientific equipment to support molecular biology research and medical education.
Approved Budget for the Contract :	<b>Php. 2,390,680.00</b>
Source of Funds:	<b>RAF MC-VPAA Higher Education Program FY 2025</b>
Contract Duration:	90 Calendar Days
Procurement Scheme:	<b>Partial Bid</b>

Please be informed of the changes in the Bidding Documents as follows:

<b>CHANGES/AMMENDMENTS:</b>	
<b>FROM</b>	<b>TO</b>
<u>MOLECULAR BIOLOGY LABORATORY</u>	<u>MOLECULAR BIOLOGY LABORATORY</u>
<b>MICROPLATE SPECTROPHOTOMETER</b>	<b>MICROPLATE SPECTROPHOTOMETER</b>
<ul style="list-style-type: none"><li>Screen: 7-inch touchscreen display</li><li>Wavelength Selection: Monochromator</li><li>Light Source: Flash lamp</li><li>Wavelength Range: 200–1000 nm (1 nm steps)</li><li>Read-out Range: Up to 4 absorbance units</li><li>Resolution: 1 nm</li><li>Bandwidth: &lt; 2.5 nm</li><li>Photometric Linearity: 0–2.5 Abs, 2% @ 450 nm</li><li>Accuracy:<ul style="list-style-type: none"><li>1.0% + 0.003 Abs (0–2.0 Abs)</li><li>2% (2.0–2.5 Abs) at 450 nm</li></ul></li><li>Plate Formats: 6- to 48-, 96-, and 384-well plates; micro-Drop Plate</li><li>Cuvettes: Supported</li><li>Measurement Speed:<ul style="list-style-type: none"><li>96-well microplate: 6 seconds (fast mode)</li><li>384-well microplate: 10 seconds (fast mode)</li></ul></li><li>Plate Shaking: Linear</li><li>Spectral Scanning Speed: 10 seconds (200–1000 nm, 1 nm steps)</li></ul>	<ul style="list-style-type: none"><li>Screen: 7-inch touchscreen display</li><li>Wavelength Selection: Monochromator</li><li>Light Source: <b>Xenon</b> Flash lamp</li><li>Wavelength Range: 200–1000 nm (1 nm steps)</li><li>Read-out Range: Up to 4 absorbance units</li><li>Resolution: 1 nm</li><li>Bandwidth: &lt; 2.5 nm</li><li>Photometric Linearity: 0–2.5 Abs, 2% @ 450 nm</li><li>Accuracy:<ul style="list-style-type: none"><li>1.0% + 0.003 Abs (0–2.0 Abs)</li><li>2% (2.0–2.5 Abs) at 450 nm</li></ul></li><li>Plate Formats: 6- to 48-, 96-, and 384-well plates; micro-Drop Plate</li><li>Cuvettes: Supported</li><li>Measurement Speed:<ul style="list-style-type: none"><li>96-well microplate: 6 seconds (fast mode)</li><li>384-well microplate: 10 seconds (fast mode)</li></ul></li><li>Plate Shaking: Linear</li><li>Spectral Scanning Speed: 10 seconds (200–1000 nm, 1 nm steps)</li></ul>
<b>Interface &amp; Software</b>	<b>Interface &amp; Software</b>
<ul style="list-style-type: none"><li>Standalone use via 7-inch touchscreen</li><li>PC Control: Open License Software; Multi-Instrument Software</li><li>Includes desktop or laptop computer and AVR</li></ul>	<ul style="list-style-type: none"><li>Standalone use via 7-inch touchscreen</li><li>PC Control: Open License Software; Multi-Instrument Software</li><li>Includes desktop or laptop computer and AVR</li></ul>



**BIDS AND AWARDS COMMITTEE**



<p><b>Connections</b></p> <ul style="list-style-type: none"> <li>• 1 × USB-B port (for PC)</li> <li>• 1 × Ethernet port</li> <li>• 3 × USB-A ports (for devices, USB memory, Wi-Fi dongle)</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• Mains Input: 100–240 V, 50/60 Hz</li> <li>• Max Power Consumption: 110 W</li> <li>• Power Save Consumption: &lt; 2.5 W</li> </ul> <p><b>Physical Specs</b></p> <ul style="list-style-type: none"> <li>• Weight: approx. 11.3 kg – 15kg</li> </ul> <p><b>Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• 1-year warranty (parts and service)</li> <li>• On-site training conducted by a trained Field Application Specialist</li> <li>• Calibration included</li> </ul>	<p><b>Connections</b></p> <ul style="list-style-type: none"> <li>• 1 × USB-B port (for PC)</li> <li>• 1 × Ethernet port</li> <li>• 3 × USB-A ports (for devices, USB memory, Wi-Fi dongle)</li> </ul> <p><b>Power</b></p> <ul style="list-style-type: none"> <li>• Mains Input: 100–240 V, 50/60 Hz</li> <li>• Max Power Consumption: 110 W</li> <li>• Power Save Consumption: &lt; 10W</li> </ul> <p><b>Physical Specs</b></p> <ul style="list-style-type: none"> <li>• Weight: approx. 10.8kg – 15kg</li> </ul> <p><b>Warranty &amp; Support</b></p> <ul style="list-style-type: none"> <li>• 1-year warranty (parts and service)</li> <li>• On-site training conducted by a trained Field Application Specialist</li> <li>• Calibration included</li> </ul>
<p><b>MICROPIPETTE (Single Channel)</b></p> <p><b>Package Includes:</b></p> <p>4 single channel pipettes</p> <ul style="list-style-type: none"> <li>○ Linear stand</li> <li>○ Matching pipette tips (in racks)</li> </ul> <ul style="list-style-type: none"> <li>• Pipette Features:           <ul style="list-style-type: none"> <li>○ Adjustable volume setting with click stops</li> <li>○ Thermal insulation of internal components</li> <li>○ High chemical and UV resistance</li> <li>○ Fully autoclavable without disassembly</li> </ul> </li> <li>• Pipette Volumes (with increments):           <ul style="list-style-type: none"> <li>○ 0.1–3 µL (increment: 0.002)</li> <li>○ 2–20 µL (increment: 0.02)</li> <li>○ 20–200 µL (increment: 0.20)</li> <li>○ 100–1000 µL (increment: 1.00)</li> </ul> </li> <li>• Pipette Tips (Pre-sterilized, RNase/DNase/Endotoxin-free):           <ul style="list-style-type: none"> <li>○ 10 pcs × 96 racks (0.1–10 µL)</li> <li>○ 20 pcs × 96 racks (0.5–200 µL)</li> <li>○ 10 pcs × 96 racks (10–1000 µL)</li> <li>○ Tips also available in boxes</li> </ul> </li> <li>• Support:           <ul style="list-style-type: none"> <li>○ Training provided</li> <li>○ One year warranty included</li> <li>○ Annual Recalibration for 3 years</li> </ul> </li> </ul> <p><b>QTY: 1 UNIT: UNIT</b></p>	<p><b>MICROPIPETTE (Single Channel)</b></p> <p><b>Package Includes:</b></p> <p>4 single channel pipettes</p> <ul style="list-style-type: none"> <li>○ Linear stand</li> <li>○ Matching pipette tips (in racks)</li> </ul> <ul style="list-style-type: none"> <li>• Pipette Features:           <ul style="list-style-type: none"> <li>○ Adjustable volume setting with click stops or equivalent</li> <li>○ Thermal insulation of internal components</li> <li>○ High chemical and UV resistance</li> <li>○ Fully autoclavable without disassembly</li> </ul> </li> <li>• Pipette Volumes (with increments):           <ul style="list-style-type: none"> <li>○ 0.2–2 µL (increment: 0.002)</li> <li>○ 2–20 µL (increment: 0.02)</li> <li>○ 20–200 µL (increment: 0.20)</li> <li>○ 100–1000 µL (increment: 1.00)</li> </ul> </li> <li>• Pipette Tips (Pre-sterilized, RNase/DNase/Endotoxin-free):           <ul style="list-style-type: none"> <li>○ 10 pcs × 96 racks (0.1–10 µL)</li> <li>○ 20 pcs × 96 racks (0.5–200 µL)</li> <li>○ 10 pcs × 96 racks (10–1000 µL)</li> <li>○ Tips also available in boxes</li> </ul> </li> <li>• Support:           <ul style="list-style-type: none"> <li>○ Training provided</li> <li>○ One year warranty included</li> <li>○ Annual Recalibration for 3 years</li> </ul> </li> </ul> <p><b>QTY: 3 UNITS: UNIT</b></p>
<p><b>TECHNICAL &amp; SCIENTIFIC EQUIPMENT FOR SCHOOL OF MEDICINE (SOM)</b></p> <p><b>NEWBORN INJECTION TRAINING ARM</b></p> <ul style="list-style-type: none"> <li>• Purpose:           <ul style="list-style-type: none"> <li>○ Simulates the arm of a newborn for IV skills training</li> <li>○ Allows practice in:               <ul style="list-style-type: none"> <li>▪ Newborn IV administration</li> <li>▪ Phlebotomy</li> <li>▪ Drug administration</li> </ul> </li> </ul> </li> </ul>	<p><b>TECHNICAL &amp; SCIENTIFIC EQUIPMENT FOR SCHOOL OF MEDICINE (SOM)</b></p> <p><b>NEWBORN INJECTION TRAINING ARM</b></p> <ul style="list-style-type: none"> <li>• Purpose:           <ul style="list-style-type: none"> <li>○ Simulates the arm of a newborn for IV skills training</li> <li>○ Allows practice in:               <ul style="list-style-type: none"> <li>▪ Newborn IV administration</li> <li>▪ Phlebotomy</li> <li>▪ Drug administration</li> </ul> </li> </ul> </li> </ul>



**BIDS AND AWARDS COMMITTEE**



- Product Features:
  - Medial venous structure
  - Two veins in dorsum of hand
  - Radial and brachial arteries
  - Squeeze bulb to simulate collapsed or normal veins
  - Easily replaceable skin and veins (withstand multiple needle sticks)
- Package Contents:
  - Newborn Injection Training Arm
  - Mounted on base
  - Blood bag and stand
  - Synthetic blood concentrate
  - Squeeze bulb
  - Spare arm skin
  - Soft carrying bag
  - Instruction manual
- Support:
  - Training included
  - One year warranty included
  - Calibration included

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  - Calibration included

**QTY: 1 UNIT: UNIT**

For guidance and information of all concerned.

**REJECTED**

**MICHELLE V. JAPITANA, D. Eng.**  
Chairperson, Bids and Awards Committee