



November 17, 2025

Bid Bulletin No. 1
Modification in the Technical Specifications

Name of Project:	2026-EPA-03G: Acquisition of Equipment and other Equipment for the Provision of Higher Education Services (Laboratory Equipment)
ABC: Php2,600,000.00	

This Bid Bulletin No. 1 is issued to modify or amend items in the Bidding Documents for the above cited project. This shall form an integral part of the said Bidding Documents. The changes in the technical description shall also apply to the Schedule of Requirements and Price Schedules found in the Bidding Documents

SECTION VII. TECHNICAL SPECIFICATIONS

	From	To
1	High Pressure Liquid Chromatography Gel Electrophoresis System System: Integrated electrophoresis + blue LED illuminator + viewing enclosure or Stand-alone gel documentation system Illumination Source: Blue LED (465 nm) transilluminator or UV transilluminator (302 nm) + white light epi-illumination Imaging: Smartphone imaging (included enclosure) or CCD camera (4 MP, cooled) Gel Size Capacity 10.5 x 10 cm or 10.5 x 6 cm or 19.4 x 26 cm Voltage Input 230 V AC (50/60 Hz) Viewing Window / Display Transparent gel tray with enclosure for real-time viewing or LCD interface via PC software or 10.2" integrated touchscreen Pump Pump type: Quaternary solvent delivery Flow range: 0.001 -10mL/min or 0.001 - 15.000 mL/min Flow accuracy: $\pm 0.5\%$ Flow precision: $\leq 0.06\% \text{RSD}$ Gradient accuracy: $\pm 1\%$ Gradient precision: $\leq 0.2\% \text{RSD}$ Max. pressure: 62 Mpa Pressure pulsation: $\leq 1\%$ Solvent degassing: 4 channels	High Pressure Liquid Chromatography Gel Electrophoresis System System: Integrated electrophoresis + blue LED illuminator + viewing enclosure or Stand-alone gel documentation system Illumination Source: Blue LED (465 nm) transilluminator or UV transilluminator (302 nm) + white light epi-illumination Imaging: Smartphone imaging (included enclosure) or CCD camera (4 MP, cooled) Gel Size Capacity 10.5 x 10 cm or 10.5 x 6 cm or 19.4 x 26 cm Voltage Input 230 V AC (50/60 Hz) Viewing Window / Display Pump Pump type: Quaternary solvent delivery Flow range: 0.001 -10mL/min or 0.001 - 15.000 mL/min Flow accuracy: $\pm 0.5\%$ Flow precision: $\leq 0.06\% \text{RSD}$ Gradient accuracy: $\pm 1\%$ Gradient precision: $\leq 0.2\% \text{RSD}$ Max. pressure: 62 Mpa Pressure pulsation: $\leq 1\%$ Solvent degassing: 4 channels



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

Automatic plunger rinsing: built-in Integrated solvent tray pH range: 1-14 Autosampler(must be compatible with pump) Sample capacity: 108 - 132 Injection volume range: 0-100 uL or 0.1-100 µL Injection speed / cycle: 5-7s Carry-over: < 0.003 % Injection precision: ± 0.3% RSD or < 0.25% RSD Pressure limit: 42 Mpa - 130 Mpa Temperature control (tray): 4-45 °C or 4-40 °C Wash System: Dual needle wash (inner + outer) Injection mode: Full-loop / partial-loop / pre-load or Full-loop / partial-loop / HL-pickup modes Power: 230 V AC / 50-60 Hz Column Oven Temperature range: Ambient +5 °C up to 90°C 85Celsuis Temperature stability/uniformity: ±0.1C Heating/cooling method: Peltier element + fan forced air + insulation layers or Forced-air or Peltier Safety features: Leak protection, over-temp shutdown Diode Array Detector Wavelength range: ~190-950 nm Light source Deuterium + Tungsten lamp or Deuterium Only Slit width options 1, 2, 4, 8 nm Wavelength accuracy / precision ±1 nm accuracy; ±0.1 nm precision Sampling rate / real-time detection up to 150 - 240 hz Linearity >2.0 AU - 2.5A AU Inclusions: Software Desktop (intel core i5, 8gb, 512gb SSD, Monitor, Keyboard, Mouse, AVR) 3 kVA UPS starter set of vials with caps and septa (108 sets) 4 solvent bottles 1 year warranty	Automatic plunger rinsing: built-in Integrated solvent tray pH range: 1-14 Autosampler (must be compatible with pump) Sample capacity: 108 - 132 Injection volume range: 0-100 uL or 0.1-100 µL Injection speed / cycle: 5-7s Carry-over: < 0.003 % Injection precision: ± 0.3% - ±0.5% RSD Pressure limit: 42 Mpa - 130 Mpa Temperature control (tray): 4-45 °C or 4-40 °C Wash System: Dual needle wash (inner + outer) Injection mode: Full-loop / partial-loop / pre-load or Full-loop / partial-loop / HL-pickup modes Power: 230 V AC / 50-60 Hz Column Oven Temperature range: Ambient +5 °C up to 90°C Temperature stability/uniformity: ±0.1C Heating/cooling method: Peltier element + fan forced air + insulation layers or Forced-air or Peltier Safety features: Leak protection, over-temp shutdown Diode Array Detector Wavelength range: ~190-950 nm Light source Deuterium + Tungsten lamp or Deuterium Only Slit width options 1, 2, 4, 8 nm Wavelength accuracy / precision ±1 nm accuracy; ±0.1 nm precision Sampling rate / real-time detection up to 125 - 240 hz Linearity >2.0 AU - 2.5A AU Filtration System Max. power: 60W Max. current: 0.3A Max. vacuum: 99 mbar abs. Max. flow rate: 20 L/min Motor rotation speed: 1450 RPM Horse power: 1/8 HP Noise level: 50 dB Hose barb: ID8 (5/16 inch)
--	--



Republic of the Philippines
BULACAN AGRICULTURAL STATE COLLEGE
Office of Bids and Awards Committee
Pinaod, San Ildefonso, Bulacan, Philippines 3010

	Vacuum Regulator: Yes Overflow protection: Yes Thermal protection: Yes 220V/50Hz Inclusions: C18, 5µm, 4.6 x 150mm, Column Software Desktop (intel core i5, 8gb Ram, 512gb SSD, Monitor, Keyboard, Mouse, AVR) 3 kVA UPS starter set of vials with caps and septa (108 sets) 4 solvent bottles • methanol • acetonitrile • phosphate • formic acid 1 year warranty
--	---

For the guidance and information of all concerned.


RONALD REAGAN T. ALONZO, Ph.D.
BAC Chairperson