

LAMPIRAN - A1

RUJ: BME/A2K/(1724)/2026/HTD (A20)

28/7/2026

ONE OFF PREVENTIVE MAINTENANCE FOR ONE (1) UNIT OF ULTRA PERFORMANCE LIQUID CHROMATOGRAPHY TANDEM MASS SPECTROMETRY (UPLC-MS/MS) SYSTEM, BRAND: WATERS, MODEL: XEVO TQD, S/N: QA400A, BME9963, AT TOXICOLOGY SECTION, DEPARTMENT OF SCIENTIFIC SERVICES

SCOPE OF WORK

One off preventive maintenance services for one (1) unit of Ultra Performance Liquid Chromatography Tandem Mass Spectrometry (UPLC-MS/MS) system and its accessories, Brand: Waters, Model: Xevo TQD, S/N: QA400A, BME9963, at Toxicology Section, Department of Scientific Services.

- Preventive maintenance for the complete system, where the components of the system include:

- (i) Tandem Quadrupole Detector (S/N: QA400A)
- (ii) Sample Manager (S/N: E13UPA472M)
- (iii) Solvent Manager (S/N: L13UP8559A)
- (iv) Column Manager (S/N: M13CMP 89G)

Scope of work inclusive but not limited to:

- Scope of work on the UPLC-MS/MS system to follow Waters preventive maintenance manual/recommendation specific for this system which include the following where necessary:

- (i) inspection
- (ii) cleaning
- (iii) installation of PM kits, consumables and spare parts
- (iv) alignment
- (v) calibration
- (vi) any other related preventive maintenance works required

- Functional check post-maintenance.

- Apply preventive maintenance sticker/tag after successful service.

- Disposal of any used spare parts/pm kits, unless otherwise instructed.

- Work on the UPLC-MS/MS system to be carried out by authorized engineer(s) trained in Waters UPLC-MS/MS system.

- Vendor(s) to submit maintenance checklist/details/scope specific for Waters Xevo TQD UPLC-MS/MS system along with other necessary documents to join this tender.

LAMPIRAN - A2

RUJ: BME/A2K/(1724)/2026/HTD (A20)

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SPAREPART

PART NUMBER

QUANTITY