

LAMPIRAN - A1

RUJ: BME/A2K/(1754)/2026/HTD (A17)

24/9/2026

ONE OFF PREVENTIVE MAINTENANCE SERVICES FOR ONE (1) UNIT OF BIO-RAD HAEMOGLOBIN TESTING ANALYZER, BRAND: BIO-RAD, MODEL: VARIANT II, AT MICROBIOLOGY LABORATORY, RIPAS HOSPITAL." (WO: 2026-12841)

SCOPE OF WORK

Repair and one off preventive maintenance service for two (2) units of bio-rad testing analyzer at National Haematology Reference Laboratory, Lab services, Hospital RIPAS.

List of equipment:

- 1) BME5132, S/N: 11763
- 2) BME9837, S/N: 14153

- Repair by replacement of identified spare parts listed in spareparts list (from lampiran A2).
- One-off preventive maintenance services following equipment manual/recommendation which include the following where necessary:
 - (i) inspection
 - (ii) cleaning
 - (iii) installation of items listed in spareparts list (if any in lampiran A2)
 - (iv) alignment
 - (v) calibration
 - (vi) software update
 - (vii) any other related 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 equipment to be carried out by engineer(s) authorised in providing maintenance to the equipment.

LAMPIRAN - A2

RUJ: BME/A2K/(1754)/2026/HTD (A17)

ONE OFF PREVENTIVE MAINTENANCE SERVICES FOR ONE (1) UNIT OF BIO-RAD HAEMOGLOBIN TESTING ANALYZER, BRAND: BIO-RAD, MODEL: VARIANT II, AT MICROBIOLOGY LABORATORY, RIPAS HOSPITAL." (WO: 2026-12841)

	SPAREPART	PART NUMBER	QUANTITY
1	ONE OFF PPM - BIORAD HAEMOGLOBIN TESTING ANALYZER		2
2	variant flow cell cleaning kit	2700197	2
3	6 port valve stator, mbb	2702397	2
4	6 port valve rotor seal, mbb	2702399	2
5	var/vii pump seal 2pk modified	2700016w	4
6	VAR/VII Blushing Seal (New) 2pk	2700285	4
7	VII 5ML Plunger Seal	2702293	2
8	vii vss 1ml plunger seal	2702294	2
9	vss syringe tubing seal	2702334	2
10	vss waste tube assy pv3/4	2702340	2
11	VCS Teflon Tube; 1.58x0.5x80CM	2702204	2
12	vss1015 vacuum pump relief valve assy	12004353	2
13	vss1016 vacuum pump check valve	12004355	2
14	d10/viit, piercing needle	2200247	2