

LAMPIRAN - A1

RUJ: BME/A2K/(1528)/2025/HTD (a17)

8/10/2025

TO SERVICE ONE OFF PPM THREE (3) UNITS OF TERUMO BCT AUTOMATED BLOOD COLLECTION SYSTEM, BME9430 , BME9431 , BME9432 AT BLOOD DONATION CENTRE, RIPAS HOSPITAL.

SCOPE OF WORK

1. To service and repair three units of automated blood collection system at BDC, RIPAS Hospital:

a) One time preventive maintenance 3 lot BME9430 WO 2025-8072 , BME9431 WO 2025-8071 , BME9432 WO 2025-8073

General mechanical inspection and cleaning -

- * IV Pole

- * Display console

- * Display arm

- * Front panel valves

- * Pump rotor test

- * Door alignment

- * Door screws test

- * Inner Cabinet

- * General Inspection

- * Brake System

- * General Cleaning

- * Filler Latch Lubrication

Electrical Safety and Power Tests

- * Grounding Straps Test

- * Ground Wire Resistance Test

- * External Ethernet Isolation Test

- * Line Voltage Test

- * Power Up Test

- * Normal Condition with Neutral Closed

- * Single Fault Condition with Neutral Open

5V Test

OVP, OTW and Reset Test

Fan Direction and Failure Tests

- * Air Flow Direction

- * Fan Failure Detection

Machine and Software Information

- * Machine On Time

- * Number of Runs

- * Trima Accel Software Version

- * Service Software Version

Trima Calibration

- * Cassette Plate Down Test

- * Trima Accel Calibration

- * Install Calibration Files

Verifications

- * Alarm LED Test

- * AGC Upper Level Sensor Air Test

- * AGC Lower Level Sensor Air Test

- * Touch Screen Test

- * Access Pressure Sensor Test

- * Centrifuge Pressure Sensor Test

Trima Accel Autotest

Pump Occlusion Tests

- * AC, Inlet & Return Pump Occlusion

- * Plasma & Platelet Pump Occlusion

- * Machine Set-Up

2. Replacement of spareparts and Disposal of any used spare parts, unless otherwise instructed.

a) 704010003 Sensor, Level, TR/OP 3 ea b) 704310203 Return rotor washer 6 unit c) 80300 Trima Accel LRS Platelet, plasma set 3pcs

3. Work on the system is to be carried out by engineer(s) authorised in providing maintenance to the equipment.

4. Perform functional test, verification and performance check post-maintenance.

5. Apply preventive maintenance sticker/tag after successful service. All work are signed and documented.

LAMPIRAN - A2

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	SPAREPART	PART NUMBER	QUANTITY
1	ONE OFF PREVENTIVE MAINTENANCE		3
2	SENSOR, LEVEL, TR/OP	704010003	3
3	RETURN ROTOR WASHER	704310203	6
4	TRIMA ACCEL LRS PLATELET, PLASMA SET	80300	3

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