

Calibration Certificate

Following values have been checked & adjusted on BS 240 (Sl.No. YX- 99002919) at Dr. Garg's Path Lab, R-11/178,Raj Nagar, Ghaziabad, 210002.

System voltages are in the specified range –Checked by Digital Multimeter are as below:

| S.No. | Module | Observed Value | Acceptable Range |
|-------|----------------------------------|----------------|------------------|
| 1 | 24 Voltage Supply | 24.2 VDC | 24.0 +/- 1.0 VDC |
| 2 | 12 Voltage Supply | 12.3 VDC | 12.0 +/- 0.5 VDC |
| 3 | 5 Voltage Supply | 5.02 VDC | 5.00 +/- 0.1 VDC |
| 4 | Liquid Level Sensor Board Supply | 4.03 VDC | 4.0 +/- 0.1 VDC |

System Temperature values are in the specified range –Checked by Digital Thermometer are as below:

| S.No. | Module | Observed Value | Acceptable Range |
|-------|---------------------------|----------------|------------------|
| 1 | Reagent Preheater Temp. | 45.3 °C | 45 +/- 0.5 °C |
| 2 | Reaction Disk Temp. | 37.2 °C | 37 +/- 0.4 °C |
| 3 | Reagent Compartment Temp. | 10.2 °C | 8 to 12 °C |

Photometer Adjustment Values are within range as recommended:

| S.No. | Module | Observed Value | Acceptable Range |
|-------|-------------------------------------|----------------|------------------|
| 1 | Background Count for all Wavelength | 52,000 +/-40 | 48,000 to 55,000 |

Pipetting Syringes are Ok volume dispensed measured on Digital Weighing Machine:

| S.No. | Module | Observed Value | Acceptable Range |
|-------|------------------------|----------------|------------------|
| 1 | Reagent/Sample Syringe | 500 uL | 500 +/-1uL |

Washing Dispense are Ok volume dispensed measured on Digital Weighing Machine

| S.No. | Module | Observed Value | Acceptable Range |
|-------|------------------|----------------|------------------|
| 1 | Interior Washing | 3.010 mL | 3.00 +/- 500uL |
| 2 | Exterior Washing | 3.010 mL | 3.00 +/- 500uL |

- All other mechanisms have been checked through software and found OK.
- Performed calibration for End Point, Kinetic & Fixed Time Kinetic.Run control & sample, Results were satisfactory.
- Next Calibration will be performed on : 01/02/2024

For Star Biomed Pvt. Ltd.

Amit Thakur
Service Manager

Date: 02/06/2023