



Cert No. CC-2543



# Medical Engineering & Services

**Things Beyond Thoughts**

Abhcon Crown, X1/411/21, Ambadi Lane  
Kokkalai, Thrissur-21. Ph: 0487 2420367  
Email: mescalibration.tsr@gmail.com  
Visit us @www.mescalibration.com

## CALIBRATION CERTIFICATE

Certificate Number : MES/010922/C2      ULR Number : CC254322000000756F  
Customer Details : DOCTORS LAB, PAYYOLI, KOZHIKODE.  
Date of Calibration : 01/09/2022      Date of SRF : 01/09/2022  
Next Calibration Due : 31/08/2023      Date of Issue : 01/09/2022

### DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature : Micropipette      Serial No. : 10117862  
Make / Model : BIOHIT/PROLINE      ID No. :  
Equipment Condition : Good      Resolution : 0 µl  
Range : 100 µL      Location : BIOCHEMISTRY

### DETAILS OF MASTER EQUIPMENT USED

Nomenclature : Electronic Precision Balance      Range : 0 – 210 gm  
Make : Boeco      Readability : 0.01/0.1 mg  
Model : BBC-22      Serial No. : 27104178  
Certificate No. : TVSPL21/10/227-01      Calibration Due Date : 05.10.2022

### ENVIRONMENTAL CONDITIONS

Temperature(°C)	Relative Humidity (%)	Atmospheric Pressure (mbar)	Water Temperature(°C)
27.7	56	1003	27.8

### CALIBRATION RESULTS

Sl. No.	Discipline	Mechanical		Parameter		Volume	
		Standard Value	Systematic Error	Acceptable Systematic Error	Random Error	Acceptable Random Error	Expanded Uncertainty
	Set Volume	µl	µl	± µl	µl	± µl	± µl
1	100	100.34	-0.34	0.80	0.06	0.30	0.182

Notes: -

- The results in this certificate are only related to DUC submitted calibration and valid at the time of calibration under stated condition of measurements
- The measurement uncertainty is estimated at a confidence level of 95.45% with coverage factor k=2.
- Results in this certificate shall not be reproduced except in full without the written approval of this centre.
- Next calibration due date is mentioned as per customer requirement.
- Calibration certificate issued for scientific or industrial purpose only.
- Acceptable error limit is given as per ISO 8655-2:2002(E) Guidelines
- Calibration is carried out as per ISO 8655-6 Guidelines; MES work procedure: MES/WP/VOLUME.

Calibrated by

Prabin KP

(Calibration Engineer)

Binoj Thomas  
(Technical Manager)

