



G MULTI SERVICES

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Bio Medical Instruments Services

Dr. A. Izbathul Raziq DECE., BE (ICE)
Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

PROTECT CLASS /TYPE : Risk Class II
S. No. : AT/pi/001
Location : GPHC, ATHANAVOOR

Equipment : PIPETTE
MAKE : FINNEPIPE
MODEL : 100-1000µl

S.No	Measurement Parameters	Status	Remarks
1	Electrical Test (a) Safety Standards (range : 210-240 V) (b) Equipotential ground & Earthing (c) Risk of shock/fire Hazards, if any (d) Chassis & Insulation Resistance (e) Earth & Chassis Leakage Current (f) Battery conditions & charging status	No No	Checked OK
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	OK OK	
3	Performance Test (e) Mean 99.2µl (f) A -0.5 µl (g) Acc% -0.71 (h) CV% -0.36	OK OK	
4	Calibration Test min volume 100 µl max Volume 1000 µl (e) A _{or} - 1.5 , 5 µl (f) (g) 5 1.5 µl max Vol. 1000 µl (h) Acc+ or - 1.50, 0.50 (i) CV% 0.60, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		User Department:	
Endorsed By : Research team head			
Reviewed On: 06.09.23 Next Review : 05.09.24			





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Er. A. Bathul Rasiq DECE., BE (ICE)
 Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
 MAKE : P-FACT
 MODEL : 20-100µL

PROTECT CLASS /TYPE : Risk Class II
 S. No. : AT/PI/002
 Location : GPHC, ATHANAVOOR

S.No	Measurement Parameters	Status	Remarks
1	Electrical Test (a) Safety Standards (range : 210-240 V) (b) Equipotential ground & Earthing (c) Risk of shock/fire Hazards, if any (d) Chassis & Insulation Resistance (e) Earth & Chassis Leakage Current (f) Battery conditions & charging status	No No	Checked OK
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	OK OK	
3	Performance Test (a) Mean 99.3µl (b) A -0.6 µl (c) Acc % -0.71 (d) CV% -0.36	OK OK	
4	Calibration Test min volume 20 µl max Volume 100 µl (a) A+or - 1.5, 5 µl (b) S 1.5 µl max Volume 5 µl (c) Acc+ or - 1.50, 0.50 (d) CV% 0.40, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		User Department:	
Endorsed By : Research team head			
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