



G MULTI SERVICES


78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.
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Bio Medical Instruments Services

Er. A. Ibathul Raziq DECE., BE (ICE)
Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
MAKE : MICROLUX
MODEL : 100-1000 μ L

PROTECT CLASS /TYPE : Risk Class II
S. No. : AR/PI/002
Location: UGPHC, ARAKKONAM

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	----	-
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	Performance Test (e) Mean 99.3 μ l (f) A -0.5 μ l (g) Acc % -0.71 (h) CV% -0.36	OK OK OK OK	
4	Calibration Test min volume 100 μ l max Volume 1000 μ l (ELECTRONIC BALANCEING TEST) (e) A+or - 1.5, 5 μ l (f) S 1.5 μ l max Vol. 1000 μ l (g) Acc+ or - 1.50, 0.50 (h) CV% 0.60, 0.10	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By: Research team head Reviewed On: 17.09.23 Next Review : 16.09.24			



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Bio Medical Engineer

Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
MAKE : FINNPIPETTE F3
MODEL : 10-100 μ L

PROTECT CLASS /TYPE : Risk Class II
S. No. : AR/PI/001
Location : UGPHC, ARAKKONAM

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	-	-
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	Performance Test (a) Mean 99.6 μ l (b) A -0.6 μ l (c) Acc % -0.71 (d) CV% -0.36	OK OK OK Ok	
4	Calibration Test min volume 5 μ l max Volume 50 μ l (ELECTRONIC BALANCEING TEST) (a) A+ or - 1.5, 5 μ l (b) S 1.5 μ l max Volume 5 μ l (c) Acc+ or - 1.50, 0.50 (d) CV% 0.40, 0.30	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	
Endorsed By : Research team head K			
Reviewed On: 17.09.23 Next Review : 16.09.24			
		User Department:	



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Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE
MAKE : MICROLUX
MODEL : 100-1000 μ L

PROTECT CLASS /TYPE : Risk Class II

S. No. : AR/PI/002

Location: UGPHC, ARAKKONAM

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	----	-
2	Physical Condition Test (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	Performance Test (e) Mean 99.3 μ L (f) A -0.5 μ L (g) Acc % -0.71 (h) CV% -0.36	OK OK OK OK	
4	Calibration Test min volume 100 μ L max Volume 1000 μ L (ELECTRONIC BALANCEING TEST) (e) A+ or - 1.5, 5 μ L (f) S 1.5 μ L max Vol. 1000 μ L (g) Acc+ or - 1.50, 0.50 (h) CV% 0.60, 0.10	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
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