



# G MULTI SERVICES

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Bio Medical Instruments Services

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Bio Medical Engineer

## Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE  
MAKE : MICROLUX  
MODEL : 100-1000 $\mu$ L

PROTECT CLASS /TYPE : Risk Class II  
S. No. : ODA/PE/002  
Location : GPHC, ODATHURAI

S.No	Measurement Parameters	Status	Remarks
1	<b>Electrical Test</b> (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	<b>Physical Condition Test</b> (a) Cabinet & Visible damages, if any (b) Risk of mechanical damages, if any	No No	Checked OK
3	<b>Performance Test</b> (e) Mean 99.2 $\mu$ l (f) A -0.5 $\mu$ l (g) Acc % -0.71 (h) CV% -0.36	OK OK OK Ok	
4	<b>Calibration Test</b> min volume 100 $\mu$ l max Volume 1000 $\mu$ l  (e) A+ or - 1.5, 5 $\mu$ l (f) S 1.5 $\mu$ l max Vol. 1000 $\mu$ l (g) Acc+ or - 1.50, 0.50 (h) CV% 0.60, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head			
Reviewed On: 05.09.23 Next Review : 04.09.24			