



# 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 Razip DECE., BE (ICE)  
Bio Medical Engineer

## Calibration Protocol & Report for Medical Equipment

EQUIPMENT : PIPETTE  
MAKE : FINNPIPETTEF3  
MODEL : 10-100  $\mu$ l

PROTECT CLASS/TEST : Risk class II  
S.No : QW10074  
Location : PHC Hongalvadi

S.no	Measurement Parameters	Status	Remarks
1	<b>Electrical Test</b> (a) Safety Standards (range :210-240v) (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> (a) Mean 99.2 $\mu$ l (b) A -0.5 $\mu$ l (c) Acc % -0.71 (d) CV% -0.36	Ok Ok Ok Ok	
4	<b>Calibration Test</b> (a) Min volume 10 $\mu$ l (b) Max volume 100 $\mu$ l  (c) A+or - 1.5, 5 $\mu$ l (d) S 1.5 ul max vol. 10 $\mu$ l (e) Acc+or -1.50, 0.50 (f) CV% 0.50, 0.20		Tested  Ok Ok Ok Ok
<b>Formulated By:</b> Edition Research Laboratory		<b>Issued By:</b>	<b>User Department:</b>
<b>Endorsed By:</b> Research Team Head			
<b>Reviewed On:</b> 01.10.23			
<b>Next Review :</b> 29.09.24			



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## Calibration Protocol & Report for Medical Equipment

EQUIPMENT : PIPETTE  
MAKE : FINNPIPETTEF3  
MODEL : 100-1000  $\mu$ l

PROTECT CLASS/TEST : Risk class II  
S.No : QW10339  
Location : PHC Hongalvadi

S.no	Measurement Parameters	Status	Remarks
1	<b>Electrical Test</b> (a) Safety Standards (range :210-240v) (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> (a) Mean 999.2 $\mu$ l (b) A -0.5 $\mu$ l (c) Acc % -0.71 (d) CV% -0.36	Ok Ok Ok Ok	
4	<b>Calibration Test</b> (a) Min volume 100 $\mu$ l (b) Max volume 1000 $\mu$ l  (c) A+or - 1.5, 5 $\mu$ l (d) S 1.5 ul max vol. 10 $\mu$ l (e) Acc+or -1.50, 0.50 (f) CV% 0.50, 0.20		Tested  Ok Ok Ok Ok
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