



# G MULTI SERVICES

78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.

gmultiservicesgobi@gmail.com. Cell : 96597 20654.

Bio Medical Instruments Services

Er. A. Ibathul Raziq DECE., BE (ICE)

Bio Medical Engineer

## Calibration Protocol & Report for Medical Equipment

Equipment : MICROSCOPE



MAKE : LABOMED

MODEL : NA

PROTECT CLASS /TYPE : Risk Class II/CF

S. No. : 170699573

Location : GPHC, PUNGAMPATTU NADU

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	235 volts 0 to 5volts No Zero ohms 10mA ---	Stabilizer/Ups  With in Ranges Well
2	<b>Physical Condition Test</b> (a) Cabinet & Visible damages, if any (b) Power Supply unit, halogen lamps, Power cord accessories (c) Risk of mechanical damages, if any	No OK No	  Checked ok
3	<b>Performance Test</b> (a) Halogen lamps intensity (b) Intensity test taken by lux meter for a particular lamp & results (c) Measurement of lux/Lens range (d) Lamp life time	Normal OK OK OK	Fine Brightness Perfect 20000 hrs Apprx.
4	<b>Calibration Test</b> (a) LED lamps intensity (b) Intensity test taken by lux meter for a particular lamp & results (c) Measurement of Lux/Lenses cal (d) Lamp life time	OK Done 1200 Lux OK	In range Peak in range In range
<b>Formulated By:</b> Edition Research Laboratory		<b>Issued By:</b>	<b>User Department:</b>
<b>Endorsed By :</b> Research team head 			
Reviewed On: 12.09.23 Next Review : 11.09.24			





# G MULTI SERVICES



78, Yahooob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.  
gmultiservicesgobi@gmail.com. Cell : 96597 20654.  
Bio Medical Instruments Services

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

## Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE  
MAKE : FINNPIPETTE F3  
MODEL : 100-1000 $\mu$ L

PROTECT CLASS /TYPE : Risk Class II  
S. No. : RW12699  
Location : GPHC, PUNGAMPATTU NADU

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 99.3 $\mu$ 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% 0.40, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head			
Reviewed On: 12.09.23 Next Review : 11.09.24			





# G MULTI SERVICES


78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.  
gmultiservicesgobi@gmail.com. Cell : 96597 20654.  
Bio Medical Instruments Services

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

## Calibration Protocol & Report for Medical Equipment

Equipment : PIPETTE  
MAKE : FINNPIPETTE F3  
MODEL : 10-100 $\mu$ L

PROTECT CLASS /TYPE : Risk Class II  
S. No. : RW09830  
Location : GPHC, PUNGAMPATTU NADU

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> (a) Mean 99.3 $\mu$ l (b) A -0.6 $\mu$ l (c) Acc % -0.71 (d) CV% -0.36	OK OK OK OK	
4	<b>Calibration Test</b> min volume 10 $\mu$ l max Volume 100 $\mu$ l (a) A+ or - 1.5, 5 $\mu$ l (b) S 1.5 $\mu$ l max Volume 5 $\mu$ l (c) Acc+ or - 1.50, 0.50 (d) CV% 0.40, 0.20	Ok Ok Ok Ok	Tested
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head			
Reviewed On: 12.09.23 Next Review : 11.09.24			





# G MULTI SERVICES

78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.  
gmultiservicesgobi@gmail.com. Cell : 96597 20654.  
Bio Medical Instruments Services

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

## Calibration Protocol & Report for Medical Equipment

Equipment : SEMI AUTO ANALYSER  
MAKE : ROBONIK  
MODEL : PRIETEST TOUCH

PROTECT CLASS /TYPE : Risk Class I  
S. No. : ATCD1580519RBK  
Location : GPHC, PUNGAMPATTU NADU

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	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS  With in Ranges Well
2	<b>Physical Condition Test</b> (a) Cabinet & Visible damages, if any (b) Front Panel/Top lid, buckets, motor assembly & power cord (c) Risk of mechanical damages, if any	No OK No	Checked OK
3	<b>Performance Test</b> (a) On /Off switch (b) switch & functional tests (c) Running test (d) Abnormalities (e) Display checkup (f) Keypad/indicators & connector	Normal OK OK No Well Well	Ok Perfect Perfect
4	<b>Calibration Test</b> (a) End Point Test (b) Display checkups (c) Filter selection (d) Record OD (e) Calculation (f) Two Point Test (g) Kinetic Test (h) Result	Done Ok OK OK Well Perfect	Perfect
<b>Formulated By:</b> Edition Research Laboratory		<b>Issued By:</b>	<b>User Department:</b>
<b>Endorsed By:</b> Research team head 			
Reviewed On: 12.09.23 Next Review : 11.09.24			





# G MULTI SERVICES

78, Yahoob Street, Gobichettipalayam, Erode Dist, Tamil Nadu. Pin: 638 452.

gmultiservicesgobi@gmail.com. Cell : 96597 20654.



Bio Medical Instruments Services

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

## Calibration Protocol & Report for Medical Equipment

Equipment : **CENTRIFUGE**  
MAKE : LABOTECH  
MODEL : BDI-152

PROTECT CLASS /TYPE : Risk Class I  
S. No. : 133001  
Location : GPHC, PUNGAMPATTU NADU

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	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS  With in Ranges Well
2	<b>Physical Condition Test</b> (a) Cabinet & Visible damages, if any (b) Front Panel/Top lid, buckets, motor assembly & power cord (c) Risk of mechanical damages, if any	No OK  No	  Checked OK
3	<b>Performance Test</b> (a) On /Off switch (b) Speed regulator switch & functional tests (c) Running test (d) Abnormalities (e) Display checkup (f) Keypad/indicators & connector	Normal OK Accurate OK No Well Well	Ok Perfect Perfect
4	<b>Calibration Test</b> (a) Vibration test (b) Speed regulation gradual hike/wobbling test (c) Running test with load (d) Display checkup (e) Timer test	Done Ok	Perfect
<b>Formulated By</b> Edition Research Laboratory		<b>Issued By:</b>	<b>User Department:</b>
<b>Endorsed By :</b> Research team head 			
Reviewed On: 12.09.23 Next Review : 11.09.24			

