



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

PROTECT CLASS /TYPE : Risk Class I  
 S. No. : AT2551114RBK  
 Location : UPHC, VANIAMBADI.

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	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS  With in Ranges Well
2	Physical Condition Test	(a) Cabinet & Visible damages, if any (b) Front Panet/Top lid, buckets, motor assembly & power cord (c) Risk of mechanical damages, if any	No OK  No	  Checked OK
3	Performance Test	(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	Calibration Test	(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
Formulated By: Edition Research Laboratory		Issued By:	User Department:	
Endorsed By : Research team head				
Reviewed On: 18.08.23 Next Review : 17.08.24				



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## Calibration Protocol & Report for Medical Equipment

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

PROTECT CLASS / TYPE : Risk Class II  
S. No. : VA/PE/001  
Location : UPHC, VANIAMBADI.

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 99.6 $\mu$ (f) A -0.5 $\mu$ (g) Acc % -0.71 (h) CV% -0.36	OK OK OK Ok	
4	Calibration Test min volume 100 $\mu$ max Volume 1000 $\mu$  (e) A+or - 1.5, 5 $\mu$ (f) S 1.5 $\mu$ max Vol. 1000 $\mu$ (g) Acc+ or - 1.50, 0.50 (h) CV% 0.60, 0.20	Ok Ok Ok Ok	Tested
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

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## Calibration Protocol & Report for Medical Equipment

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

PROTECT CLASS /TYPE : Risk Class II  
S. No. : VA/PE/002  
Location : UPHC, VANIAMBADI.

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 99.3 $\mu$ l (b) A -0.6 $\mu$ l (c) Acc % -0.71 (d) CV% -0.36	OK OK OK OK	
4	Calibration Test	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
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Bio Medical Engineer

## Calibration Protocol & Report for Medical Equipment

Equipment : CELL COUNTER  
MAKE : SYSMEX  
MODEL : XP-300

PROTECT CLASS /TYPE : Risk Class I  
S. No. : C4761  
Location : UPHC, VANIAMBADI.

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	230 volts 0 to 5 volts No Zero ohms 10mA NA	Stabilizer/UPS  With in Ranges Well
2	Physical Condition Test (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	Performance Test (a) On /Off switch (b) switch & functional tests (c) Spindle Motor (d) Running test (e) Abnormalities (f) Display checkup (g) Keypad/indicators & connector	Normal OK OK OK No Well Well	Ok Perfect Perfect
4	Calibration Test (a) WB Test (b) Printer (c) Display checkup (d) Timer test (e) Result	Done Ok OK OK Perfect	Perfect
Formulated By: Edition Research Laboratory		Issued By:	User Department:
Endorsed By : Research team head			
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## CALIBRATION CERTIFICATE

CERTIFICATE NO:	SBS/CL/23/05698	MECHANICAL	Page No:1 of 1
Issue Date	08-05-2023		
SRF No & Date	SRF/23/00185-0005 & 06-05-2023		
Receipt Date	06-05-2023		
Calibration Date	06-05-2023		
Calibration Due	05-05-2024		

**Customer Name & Address**

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,  
VANIYAMBADI-635751.

**Details of Device Under Calibration (DUC)**

Description : CENTRIFUGE	Make & Model : REMI & C-852
Range : 3500 RPM	Sr. No : ZCCN-10123
Least Count : 10 RPM	Identification No :
DUC Condition : Satisfactory	Location : LABORATORY

**Environmental Conditions & Standard Operating Procedure Details**

Environmental Details	Temperature: 25.3 °C	Relative Humidity	45 % Rh
Calibration Procedure No	SBS/CP/ML/04	Calibration done at	ONSITE

**Reference Standards Details**

S.No	Description	Make/ SI No:	Certificate No	Validity
1	Digital Tachometer	LINE SEIKI / 175-0034V	TMS/22/63 01	10-11-2023

**CALIBRATION RESULTS**

S.No	DEVICE UNDER CALIBRATION	STANDARD INSTRUMENTS	DEVIATION	EXPANDED UNCERTAINTY (±)
	RPM	RPM	RPM	%
1	1000	999.6	0.4	4.2
2	2000	1999.3	0.7	4.2
3	3500	3499.3	0.7	4.2

**REMARKS**

1. This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
2. The user should determine the suitability of the instrument for its intended use.
3. The recalibration interval should be determined on the user requirement.
4. The results stated in this certificate relate only to the item calibrated.
5. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00.
6. Equipment used for Calibration were calibrated & traceable to National & International Standards.

Calibrated By  
*C. Sivabalan*  
(Calibration Engineer)  
C.SIVABALAN



Authorised Signatory

*DVS*  
Quality Manager  
(D.VETRI SELVI)

Chief Executive



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Bio Medical Engineer

## Calibration Protocol & Report for Medical Equipment

Equipment : MICROSCOPE  
MAKE : OLYPUSCH201  
MODEL : NA

PROTECT CLASS /TYPE : Risk Class II/CF  
S. No. : I11LO22  
Location : UPHC, VANİYAMBADI.

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	235 volts 0 to 5volts No Zero ohms 10mA ---	Stabilizer/Ups  With in Ranges Well
2	Physical Condition Test (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	Performance Test (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	Calibration Test (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
Formulated By: Edition Research Laboratory		Issued By:	
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DR. S. PASUPATHI ,MBBS,  
BLOCK MEDICAL OFFICER,  
GOVT PRIMARY HEALTH CENTRE,  
ALANGAYAM.

DIRECTORATE OF HEALTH PREVENTIVE MEDICINE

NAME OF THE GOVT COMMUNITY HEALTH CENTRE

## LEGAL IDENTITY CERTIFICATE

This is certify that the following primary health centre is functioning under the department of public health and preventive medicine government of Tamilnadu

NAME OF THE DISTRICT	NAME OF THE HEALTH UNIT DISTRICT	NAME OF THE BLOCK	NAME OF THE URBAN PRIMARY HEALTH CENTR
TIRUPATTUR	TIRUPATTUR	ALANGAYAM	UPHC 1 VANIAMBADI

This certificate issued for submitting the application for the "NABL Medical entry level Testing M(EL)T Labs program "

Block medical officer  
MEDICAL OFFICER  
Urban Primary Health Centre-1  
Govt primary health centre  
Vaniyambadi

Alangayam