

07-10-2023

### LEGAL IDENTITY CERTIFICATE

This is to certify that the following Primary Health Centre is functioning under the Department of Public Health and Preventive Medicine, Government of Tamil Nadu:

Name of the District	Name of the Health Unit District	Name of the Block	Name of the Primary Health
Thoothukudi	THOOTHUKUDI	SATHANKULAM	MUDALIAR

This certificate is issued for submitting the Application for the "NABL Medical Entry Level Testing (MELT) Lab Program"

Block Medical Officer  
Govt. Primary Health Center  
Mudaliar



**REPORT ON  
 ELECTRICAL SAFETY TESTING/ PERFORMANCE ANALYSIS/ CALIBRATION**

Report No: MS/TR/22/M13	Calibration Date: 10-08-2022
Page 1 Of 2	Calibration Due: 10-08-2023
<b>1.1 CUSTOMER DETAILS</b>	
Name and address of the organisation	PRIMARY HEALTH CENTER MUDALUR, SANTHANKULAM TOOTHUKKUDI TAMILNADU-628702
Reference and Date	AS PER THE MAIL CONFIRMATION
Test performed by	MECOM team-1

**1.2 DESCRIPTION OF DEVICE UNDER TEST (DUT)**

Nomenclature	CENTRIFUGE
A. Manufactured by	BOI
B. Model	BOI
C. Serial No.	BC1112

**1.3 CONDITION OF THE ITEM WHEN RECEIVED**

*No visible damage and in working order*

**1.4 Applicable Specification** IEC Specification IEC 60601-1

**1.5 Test Done** Performance Test and Electrical Safety Test

**1.6 STATUS**

Manufactures Specification	Users Specification	Within Specification	Out of Specification	Calibration	Electrical Safety Test
✓		✓		✓	✓

**1.7 TRACEABILITY DETAILS OF INSTRUMENTS USED FOR TESTING**

L No	Name of the Instrument	Make	Model	Serial No
1.	ELECTRICAL SAFETY ANALYZER	FLUKE	ESA 612	3005050
2.	DIGITAL TACHOMETER	LUTRON	DT-2230	Q655879

### Calibration Certificate

<b>Model Name: PRIESTEST TOUCH</b> <b>Sr. No: AT1550815RBK</b> <b>The Medical Officer</b> <b>Govt. Primary Health Centre,</b> <b>Mudalur.</b>	<b>Certificate No. : Analyser-ATC D-361/ 2023-2024</b>
	<b>Date of Calibration : 04.10.2023</b>
	<b>Calibration Due on : 03.10.2024</b>

#### STANDARD USED FOR CALIBRATION

Parameters	Inst Name & Sr No	Lot No	Calibrated by	Valid
Temperature Calibration	Digital Thermometer	UC 20/ AT/21100115	Universal Instrument	31.12.2024
Temperature Calibration	Digital Thermometer	UC 20/ AT/21100114	Universal Instrument	31.12.2024
Film readings Calibration	Spectrophotometer, Make Shimadzu Model No. UV-1800 Sr No. A 1145 4702B71	REG/28/7207	QC dept. of Reagent Robonik India Pvt.Ltd	31/12/2024

#### OBSERVATIONS (Temperature Calibration)

Temperature Details	Incubator Temperature	Cuvette Temperature
Thermometer Sr. No	025	012
Obtained Value	37.5°C	37.4°C
Range	37°C (+/-1°C)	37°C (+/-0.5°C)

#### OPTICAL FILM READING CALIBRATION

Wavelength	Film type	Range	Absorbance Obtained
340 nm	1SP	0.549 - 0.649	0.599
	1HP + 1SP	0.842 - 0.975	0.914
	1TP	1.627 - 1.853	1.737
	2DP + 1HP	2.643 - 3.427	2.714
405 nm	1SP	0.307 - 0.348	0.318
	1TP	0.929 - 1.062	1.097
	2DP + 1HP	1.432 - 1.642	1.572
	3TP	2.809 - 3.318	3.034
510 nm	1SP	0.299 - 0.337	0.300
	1TP	0.913 - 1.054	0.997
	2DP + 1HP	1.386 - 1.576	1.505
	3TP	2.784 - 3.232	2.997
545 nm	1SP	0.264 - 0.313	0.286
	1TP	0.844 - 0.956	0.918
	2DP + 1HP	1.287 - 1.446	1.393
	3TP	2.512 - 2.849	2.790
578 nm	1SP	0.265 - 0.302	0.292
	1TP	0.791 - 0.904	0.874
	2DP + 1HP	1.200 - 1.391	1.337
	3TP	2.387 - 2.702	2.660
630 nm	1SP	0.300 - 0.352	0.331
	1TP	0.977 - 1.115	1.065
	2DP + 1HP	1.443 - 1.648	1.584
	3TP	2.806 - 3.230	3.165

Biochemistry Analyzer bearing serial no. **AT1550815RBK** has been calibrated for above parameter and found to be within its acceptance criteria.



calibrated by:

Approved by:

*(Signature)*

ROBONIK



# CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY  
 CMC EXTERNAL QUALITY ASSURANCE SCHEME  
 MONTHLY SUMMARY REPORT - AUGUST 2023



Lab Name: Govt. Block PHC, Mudalur  
 Constituent Group: Chemistry III  
 PT item: Lyophilized human serum based

Lab No: 1912  
 Date of Result Entered: 18/08/2023  
 Date of Report Published: 01/09/2023

Sl. No.	Analyte	Method	Instrument	No. of Samples	Mean	SD	CV (%)	Target	Bias	
									mg/dL	%
1	GLUCOSE III	GOD-POD III	Robonik ( Semi automatic / Fully Automatic )	1841	175.58	5.13	9.00	172 mg/dL	-0.40	0.42
2	UREA III	Others ( Urease Berthelot / Hed Dye ) III	Any Analyser (Automation / Semi Automation )	59	28.92	13.99	4.05	24 mg/dL	-1.22	1.05
3	CREATININE III	Jaffes Kinetic - Alkaline Picrate III	Robonik ( Semi automatic / Fully Automatic )	1852	1.76	6.77	0.12	1.9 mg/dL	1.18	0.61
4	CHOLESTROL III	CHOD-PAP III	Robonik ( Semi automatic / Fully Automatic )	1764	113.80	4.07	4.64	118 mg/dL	0.91	0.22

SDI Range	Interpretation
Within -1.00 to +1.00	Excellent.
Within ±1.01 to ±2.00	Good.





# Equipment Label

Name of Instrument	-	REFRIGERATOR
Instrument Number	-	ICTC / MUD/1
Model - Ser. No.	-	RA 18 / 2007
Manufacturer	-	SAMSUNG
Date of Installation	-	8/2007
Calibration Date	-	11/2011
Next Calibration Due Date	-	08/2012
Contact details for service & repairs	-	Subhrajyoti Engineering & Services Pvt. Ltd. 6112 784622
Authorized by	-	