

CALIBRATION REPORT

Report No : HBMS/CAL/23-24		Calibration Date : 26.09.2023
		Calibration valid : 25.03.2024
I.1.CUSTOMER DETAILS:		
Name and Address of the organization		M/s, PRIMARY HEALTH CENTRE, POGALUR.
I.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):		
EQUIPMENT NAME		MICRO PIPETTE
i	Manufactured by	THERMOSCIENTIFIC
ii	Model	FINNPIPETTE F3
iii	Value	10 µl -100 µl
iv	Serial No	PW01404

Calibration standards used :

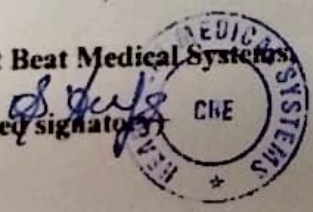
Master instrument	Model	Serial no	Date of calibration	Calibration due on
Electrical compact scale	SF-400C	SF400-2240	07-OCT-2022	06-OCT-2023

Calibration test Report.

Number of measurement	Channel 1 (Volume)		
	10µl	50µl	100µl
1	10.03	50.06	100.14
2	10.04	50.09	100.12
3	10.05	50.02	100.10
4	10.09	50.08	100.08
5	10.00	49.94	100.09
6	10.08	50.07	100.12

For Heart Beat Medical Systems

(Authorized signatory)



MD Reg No: TN/CBE/MD42/00016

GSTIN: 33AAJFH1833M12B

99400 28355, 9751206106

88833 15662

No.42/1, Navaindia Road, Peelamedu,

CBE - 04, hbmedicalsystem@gmail.com



ELECTRICAL SAFETY TEST

Report No: HBMS/CAL/23-24		Calibration Date: 26.09.2023
		Calibration Valid: 25.03.2024
1.1. CUSTOMER DETAILS:		
Name and Address of the organization		M/s, PRIMARY HEALTH CENTRE, POGALUR.
1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):		
EQUIPMENT NAME		CELL COUNTER
I	Manufactured by	SYSMAX
II	Model	XP-100
III	Serial No	B5914
IV	Location	LABORATORY

2. CONDITION OF THE ITEM WHEN RECEIVED

No visible damages and in working order

3. TEST DONE

Electrical safety/ Performance Testing

4. STATUS

Manufactures Specification	User specification	Within specification	Out of specification	Calibration	Electrical Safety Test	Performance Analysis
√	-	√	-	-	√	-



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I.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):	
EQUIPMENT NAME	PIPETTE
I Manufactured by	ERBA
II Model	-----
III Value	5µl - 50µl
IV Serial No	PA534943

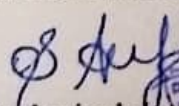
Calibration standards used :


Master instrument	Model	Serial no	Date of calibration	Calibration due on
Electrical compact scale	SF-400C	SF400-2240	07-OCT-2022	06-OCT-2023

Details of the machine: machine calibrated and checked output.

Number of measurement	Channel I (Volume)		
	05µl	20µl	50µl
1	05.05	20.08	50.97
2	05.06	20.07	20.02
3	05.01	20.05	20.96
4	05.97	20.99	20.02
5	05.01	20.08	20.09
6	05.02	20.95	20.04

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ELECTRICAL SAFETY TESTING/ CALIBRATION

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1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):		
EQUIPMENT NAME		MICROSCOPE
i	Manufactured by	-----
ii	Model	13B
iii	Serial No	21883
iv	Location	LABORAOTRY

2.CONDITION OF THE ITEM WHEN RECEIVED
No visible damages and in working order

3.TEST DONE	Electrical safety/ Performance Testing
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4. STATUS						
Manufactures Specification	User specification	Within specification	Out of specification	Calibration	Electrical Safety Test	Performance Analysis
√	-	√	-	-	√	-

MD Reg No: TN/CBE/MD42/00016

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Calibration Certificate

Model Name: PRIETEST TOUCH Sr. No: ATCD1861220RBK The Medical Officer Govt.Primary Health Centre, Pogalur.	Certificate No. : Analyser-ATCD-147/ 2023-2024 Date of Calibration : 25.09.2023 Calibration Due on : 24.09.2024
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STANDARD USED FOR CALIBRATION

Parameters	Inst. Name & Sr. No.	Cert. No.	Calibrated by	Validity
Temperature Calibration	Digital Thermometer	UCS/CAL/21100315	Universal Instrument	31/12/2024
Temperature Calibration	Digital Thermometer	UCS/CAL/21100314	Universal Instrument	31/12/2024
Film readings Calibration	Spectrophotometer, Make: Shimadzu, Model No : UV-1800, Sr. No. A-1145 4702871	REG/28/2207	QC dept. of Reagent Robonik India pvt.ltd	31/12 /2024

OBSERVATIONS (Temperature Calibration)

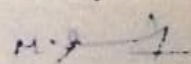
Temperature Details	Incubator Temperature	Cuvette Temperature
Thermometer Sr. No.	025	012
Obtained Value	37.5 ^o c	37.4 ^o c
Range	37 ^o C (± 1 ^o c)	37 ^o C (± 0.5 ^o c)

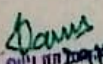
OPTICAL FILM READING CALIBRATION

Wavelength	Film type	Range	Absorbance Obtained
340 nm	1SP	0.549 – 0.619	0.590
	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	1.007
	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

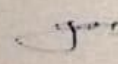
Biochemistry Analyzer bearing serial no. ATCD1861220RBK has been calibrated for above parameter and found to be within its acceptance criteria.

calibrated by:





 Approved by:

Approved by:





CALIBRATION REPORT

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I.1.CUSTOMER DETAILS:		
Name and Address of the organization		M/s, PRIMARY HEALTH CENTRE, POGALUR.
I.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):		
EQUIPMENT NAME		MICRO PIPETTE
i	Manufactured by	ERBA
ii	Model	-----
iii	Value	100µl-1000µl
iv	Serial No	PA535443

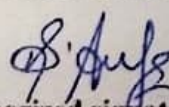
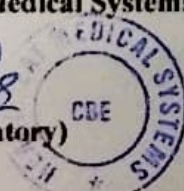
Calibration standards used :

Master instrument	Model	Serial no	Date of calibration	Calibration due on
Electrical compact scale	SF-400C	SF400-2240	07-OCT-2022	06-OCT-2023

Calibration test Report.

Number of measurement	Channel I (Volume)		
	100µl	500µl	1000µl
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3	100.05	500.02	1000.10
4	100.09	500.08	1000.08
5	100.00	499.94	1000.09
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1.2. DESCRIPTION OF DEVICE UNDER TEST (DUT):		
EQUIPMENT NAME		CENTRIFUGE
i	Manufactured by	REMI
ii	Model	R8C-PLUS
iii	Serial No	ZFLN-43024
iv	Location	LABORATORY

CALIBRATION WORKSHEET

Tabulation For – Centrifuge

S.no	Unit under test IN Minutes	Observed speed tachometer in RPM	Deviation measured \pm RPM
1	1000	999	-1
2	1200	1201	1
3	1500	1502	2
4	2000	1999	-1

Acceptable deviation is \pm 5 RPM it depends on Max Speed Range