



AN LABORATORIES

CALIBRATION & TESTING LABORATORIES

303, B-56, Kapil CHS, Gokuldharm, Goregaon (East), Mumbai - 400 063.
Mob.: 7021536885 / 9969541543 E-mail : sales.anlaboratories@gmail.com

CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110019

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date: 17.11.2022 Received on : 18.11.2022 Request details: Verbal Physical condition: Good
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Instrument Details

Instrument Name:	Pipette	Calibration Date:	18.11.2022
Manufacturer:	NA	Next Cal. Due :	17.02.2023
Model :	NA		
ID No.:	IGH-5A	Sr No : NA	

Ambient Conditions

Temperature	25.3 ± 2 °C	Relative Humidity	62 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Least Count
Volume	100 µl	NA

Reference Standards Used

Equipment	Serial No.	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Scale	191144/06	AN-008	AN/INT/2206002	10.06.2022	09.06.2023

Calibration Procedure: Pipette is Calibrated by comparison with Standard Weighing Scale

Observations:

Trial No.	Settings : 100 µl		Acceptable Criteria : ± 0.8µl		ρ at 25°C = 0.99704	
	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.10012	100.42	0.42	100.15	0.26	0.26
2	0.09984	100.14	0.14			
3	0.09975	100.05	0.05			
4	0.10018	100.48	0.48			
5	0.09967	99.97	-0.03			
6	0.09978	100.08	0.08			
7	0.09968	99.98	-0.02			
8	0.09963	99.93	-0.07			
9	0.10031	100.61	0.61			
10	0.09956	99.86	-0.14			



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CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110019

Note:

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor $k=2$ corresponding to approximately 95.5% Confidence Level.

The Standard maintained are traceable to National/ International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition.

They do not convey any long term stability information.

Calibrated By:

Name: Mand 19-Nov-2022
Mandar Apte

Reviewed By

Name: Bhete 19/11/2022
Jayashree Bhete

END OF REPORT

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CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110020

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date: 17.11.2022 Received on : 18.11.2022 Request details: Verbal Physical condition: Good
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Instrument Details

Instrument Name:	Pipette	Calibration Date:	18.11.2022
Manufacturer:	Erba	Next Cal. Due :	17.02.2023
Model :	NA		
ID No.:	IGH-5B	Sr No : NA	

Ambient Conditions

Temperature	25.3 ± 2 °C	Relative Humidity	62 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Least Count
Volume	5 - 50 µl	0.5 µl

Reference Standards Used

Equipment	Serial No.	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Scale	191144/06	AN-008	AN/INT/2206002	10.06.2022	09.06.2023

Calibration Procedure: Pipette is Calibrated by comparison with Standard Weighing Scale

Observations:

Settings : 5 µl		Acceptable Criteria : ± 0.5µl			ρ at 25°C = 0.99704	
Trial No.	Weight Indicated in gram	Calculated Valume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.00488	4.89	-0.11	4.96	0.08	1.59
2	0.00508	5.10	0.10			
3	0.00496	4.97	-0.03			
4	0.00487	4.88	-0.12			
5	0.00491	4.92	-0.08			
6	0.00493	4.94	-0.06			
7	0.00503	5.04	0.04			
8	0.00484	4.85	-0.15			
9	0.00503	5.04	0.04			
10	0.00492	4.93	-0.07			



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CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110020

Ambient Conditions

Temperature	25.3 ± 2 °C	Relative Humidity	62 %RH ± 5 %RH
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Observations:

Settings : 25 µl		Acceptable Criteria : ± 1.0 µl			ρ at 25°C = 0.99704	
Trial No.	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.02495	25.02	0.02	24.95	0.12	0.47
2	0.02479	24.86	-0.14			
3	0.02481	24.88	-0.12			
4	0.02481	24.88	-0.12			
5	0.02509	25.16	0.16			
6	0.02491	24.98	-0.02			
7	0.02502	25.09	0.09			
8	0.02489	24.96	-0.04			
9	0.02476	24.83	-0.17			
10	0.02473	24.80	-0.20			

Settings : 50 µl		Acceptable Criteria : ± 1.5 µl			ρ at 25°C = 0.99704	
Trial No.	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.04983	49.98	-0.02	49.97	0.05	0.10
2	0.04971	49.86	-0.14			
3	0.04985	50.00	0.00			
4	0.04977	49.92	-0.08			
5	0.04984	49.99	-0.01			
6	0.04982	49.97	-0.03			
7	0.04984	49.99	-0.01			
8	0.04987	50.02	0.02			
9	0.04979	49.94	-0.06			
10	0.04987	50.02	0.02			

Note:

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95.5% Confidence Level.

The Standard maintained are traceable to National/ International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition.

They do not convey any long term stability information.

Calibrated by:

Name: Mandar Apte

Reviewed By

Name: Jayeshree Bhat

END OF REPORT

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CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110021

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date: 17.11.2022 Received on : 18.11.2022 Request details: Verbal Physical condition: Good
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Instrument Details

Instrument Name:	Pipette	Calibration Date:	18.11.2022
Manufacturer:	NA	Next Cal. Due :	17.02.2023
Model :	NA		
ID No.:	IGH-5 C	Sr No : NA	

Ambient Conditions

Temperature	25.3 ± 2 °C	Relative Humidity	62 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Least Count
Volume	100 - 1000µl	10 µl

Reference Standards Used

Equipment	Serial No.	ID No.	Certificate No.	Cal. Date	Due Date
Weighing Scale	191144/06	AN-008	AN/INT/2206002	10.06.2022	09.06.2023

Calibration Procedure: Pipette is Calibrated by comparison with Standard Weighing Scale

Observations:

Trial No.	Settings : 100 µl		Acceptable Criteria : ± 3µl		ρ at 25°C = 0.99704	
	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.09972	100.02	0.02	100.09	0.08	0.08
2	0.09984	100.14	0.14			
3	0.09974	100.04	0.04			
4	0.09993	100.23	0.23			
5	0.09986	100.16	0.16			
6	0.09977	100.07	0.07			
7	0.09968	99.98	-0.02			
8	0.09986	100.16	0.16			
9	0.09975	100.05	0.05			
10	0.09978	100.08	0.08			



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CALIBRATION CERTIFICATE

Pipette

Certificate No: AN /22110021

Ambient Conditions

Temperature	25.3 ± 2 °C	Relative Humidity	62 %RH ± 5 %RH
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Observations:

Trial No.	Settings : 500 µl		Acceptable Criteria : ± 5 µl		ρ at 25°C = 0.99704	
	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.49810	499.58	-0.42	501.00	0.52	0.10
2	0.49986	501.34	1.34			
3	0.49960	501.08	1.08			
4	0.49973	501.21	1.21			
5	0.49983	501.31	1.31			
6	0.49966	501.14	1.14			
7	0.49992	501.40	1.40			
8	0.49948	500.96	0.96			
9	0.49951	500.99	0.99			
10	0.49946	500.94	0.94			

Trial No.	Settings : 1000 µl		Acceptable Criteria : ± 6 µl		ρ at 25°C = 0.99704	
	Weight Indicated in gram	Calculated Volume in µl	Difference in µl	Mean Value In µl	Standard Deviation	C.V. in %
1	0.99779	1000.75	0.75	1000.70	0.32	0.03
2	0.99842	1001.38	1.38			
3	0.99768	1000.64	0.64			
4	0.99743	1000.39	0.39			
5	0.99785	1000.81	0.81			
6	0.99749	1000.45	0.45			
7	0.99729	1000.25	0.25			
8	0.99788	1000.84	0.84			
9	0.99764	1000.60	0.60			
10	0.99795	1000.91	0.91			

Note:

UUC: Unit under calibration

Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95.5% Confidence Level.

The Standard maintained are traceable to National/ International Standard through accredited Laboratories.

The observations reported represent values at the time of the measurements and under the stated condition.

They do not convey any long term stability information.

Calibrated By:

Name:

MND 19-Nov-2022
Mandar Apke

Reviewed By

Name:

Blake 19/11/2022
Jayeshree Bhate

END OF REPORT

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Calibration Certificate

Refrigerator

Certificate No: AN/22110022

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date:	17.11.2022		
		Received on:	18.11.2022		
		Physical Condition:	Good		
Details of Instrument/Unit Under Calibration (UUC)					
Instrument Name:	Refrigerator (Reagent Storage)	Calibration Date:	18.11.2022		
Manufacturer:	Blue Star	Calibration Due Date:	17.11.2023		
Model:	NA				
Serial No.:	100000944748				
Id. No.:	IGH-1	Calibrated at:	Site		
Location:	NA	Equipment :	NA		
Ambient Conditions					
Temperature	25.2 ± 2 °C	Relative Humidity	59 %RH ± 5 %RH		
Calibration Specifications					
Parameters	Range	Calibration Points	Accuracy	Resolution	
Temperature	Refrigerator : 2 to 8°C	NA	Not Specified	NA	
Reference Standards Used					
Equipment Type	Serial No/Id. No.	Uncertainty	Certificate No.	Cal. Date	Due Date
RTD Thermometer with Sensor	170206228 / AN-010	± 0.4 °C	QATM-22061816	29-06-2022	28-06-2023
Calibration Procedure:	Refrigerator is calibrated by comparison with standard RTD Thermometer with sensor.				
Observations					
Location		Standard Readings		Uncertainty	
		°C		°C	
Refrigerator	Tray 1	5.1		± 0.8 °C	
	Tray 2	5.7			
	Tray 3	5.9			
	Tray 4	6.0			
Note: UUC: Unit under calibration Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95.5% Confidence Level The Standard maintained are traceable to National/ International Standard through accredited Laboratories. The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.					
Calibrated By:		M.A. 19-Nov-2022			
Name:		Mandar Apte			
Reviewed By:		B.D. 19/11/2022			
Name:		Jayashree Bhat			
END OF REPORT					
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Calibration Certificate

Refrigerator

Certificate No: AN/22110023

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date:	17.11.2022
		Received on:	18.11.2022
		Physical Condition:	Good

Details of Instrument/Unit Under Calibration (UUC)

Instrument Name:	Refrigerator (Sample Storage)	Calibration Date:	18.11.2022
Manufacturer:	LG	Calibration Due Date:	17.11.2023
Model:	NA	Calibrated at:	Site
Serial No.:	NA		
Id. No.:	IGH-2		
Location:	NA	Equipment :	NA

Ambient Conditions

Temperature	25.2 ± 2 °C	Relative Humidity	59 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Calibration Points	Accuracy	Resolution
Temperature	Refrigerator : 2 to 8 °C	NA	Not Specified	NA
	Deep Freezer: < -10 °C			

Reference Standards Used

Equipment Type	Serial No./Id. No.	Uncertainty	Certificate No.	Cal. Date	Due Date
RTD Thermometer with Sensor	170206228 / AN-010	± 0.4 °C	QATM-22061816	29-06-2022	28-06-2023

Calibration Procedure:

Refrigerator is calibrated by comparison with standard RTD Thermometer with sensor.

Observations

Location		Standard Readings	Uncertainty
		°C	°C
Freezer	Tray 1	-15.48	± 0.8 °C
	Tray 2	-16.14	
Refrigerator	Tray 1	5.1	
	Tray 2	5.7	
	Tray 3	5.9	
	Tray 4	6.0	

Note:

UUC: Unit under calibration
 Uncertainty has been calculated for a coverage factor k=2 corresponding to approximately 95.5% Confidence Level
 The Standard maintained are traceable to National/ International Standard through accredited Laboratories.
 The observations reported represent values at the time of the measurements and under the stated condition. They do not convey any long term stability information.

Calibrated By: Md 19-Nov-2022

Name: Mandar Apk

Reviewed By: Bhale 19/11/2022

Name: Jayeshree Bhale

END OF REPORT



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CALIBRATION & TESTING LABORATORIES

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Mob.: 7021536885 / 9969541543 E-mail: sales.anlaboratories@gmail.com

Calibration Certificate Centrifuge

Certificate No: AN/22110024

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date: 17.11.2022 Received on: 18.11.2022 Physical Condition: Good
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Details of Instrument/Unit Under Calibration (UUC)

Instrument Name: Centrifuge	Calibration Date: 18.11.2022
Manufacturer: Remi	Calibration Due Date: 17.11.2023
Model: R-8C Plus	
Serial No.: ZDKN-31884	
Id. No.: IGH-3	Calibrated at: Site
Location: NA	Equipment : NA

Ambient Conditions

Temperature	25.2 ± 2 °C	Relative Humidity	59 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Calibration Points	Accuracy	Resolution
Speed	6000 RPM	NA	± 1 % FS	10 RPM
Time	0-99 Min	NA		1 Min

Reference Standards Used

Equipment Type	Serial No./Id. No.	Uncertainty	Certificate No.	Cal. Date	Due Date
Photo / Contact Tachometer	Q633279 / AN-001	± 3.1 RPM	QATM-22061813	28-06-2022	27-06-2023
Stop Watch	AN-002	± 0.8 sec	QATM-22061814	28-06-2022	27-06-2023

Calibration Procedure: Centrifuge is calibrated by comparison with standard Tachometer.

Observations

Parameter: Speed

UUC Readings	Standard Readings	Deviation	Uncertainty
RPM	RPM	RPM	RPM
1000	998	1.8	± 5
2000	1998	2	
4000	3997	3	
6000	5997	3	

Parameter: Time

UUC Readings	Standard Readings	Uncertainty
Min	Hrs Min Sec 1/100s	sec
5	NA 5 00 74	± 0.9
15	NA 15 00 79	
30	0 30 00 NA	

Note:

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Calibrated By: Amr 19-Nov-2022
Name: Mandar Apte

Reviewed By: Apte 19/11/2022
Name: Jayashree Apte

END OF REPORT



AN LABORATORIES

CALIBRATION & TESTING LABORATORIES

303, B-56, Kapil CHS, Gokuldham, Goregaon (East), Mumbai - 400 063.
Mob.: 7021536885 / 9969541543 E-mail : sales.anlaboratories@gmail.com

Calibration Certificate Digital Thermometer

Certificate No: AN/22110025

Service Requested by:	M/s Inlaks General Hospital Inlaks Hospital Road, Chembur Colony, Indira Nagar, Chembur East, Mumbai - 400074.	Request Date:	17.11.2022
		Received on:	18.11.2022
		Physical Condition:	Good

Details of Instrument/Unit Under Calibration (UUC)

Instrument Name:	Digital Thermometer	Calibration Date:	18.11.2022
Manufacturer:	NA	Calibration Due Date:	17.11.2023
Model:	NA		
Serial No.:	NA		
Id. No.:	IGH-4	Calibrated at:	Lab
Location:	NA		

Ambient Conditions

Temperature	25.2 ± 2 °C	Relative Humidity	59 %RH ± 5 %RH
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Calibration Specifications

Parameters	Range	Calibration Points	Accuracy	Resolution
Temperature	NA	NA	± 2 °C	0.1 °C

Reference Standards Used

Equipment Type	Serial No./Id. No.	Uncertainty	Certificate No.	Cal. Date	Due Date
RTD Thermometer with Sensor	170206228 / AN-010	± 0.4 °C	QATM-22061816	29-06-2022	28-06-2023

Calibration Procedure: Digital Thermometer is calibrated by comparison with standard RTD Thermometer with sensor.

Observations

UUC Readings °C	Standard Readings °C	Deviation °C	Uncertainty °C
4.8	5.62	-0.82	± 0.6
-15.6	-14.66	-0.94	

Note:

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Calibrated By: MND 19-Nov-2022
Name: Mandar Apte
Reviewed By: Bhate 19/11/2022
Name: Jayeshree Bhate

END OF REPORT