

**MEASURE TECHNO LAB**2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,
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CC - 2545

CALIBRATION CERTIFICATE OF INCUBATOR

CALIBRATION CERTIFICATE NO.: MTL / MCL / R03 / 12 - 23

ULR - CC254523000042519F

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1.0 Service Request No.: MTL / 12B / 12 / 23 - 24

1.1 Issued to: M/s. Mukherjee Clinical Laboratory,
43/C/5, Jatindra Sarani, Champadali,
North 24 Parganas, Kolkata - 700124.

1.2 Description & Identification of item to be Calibrated:	a) Name:	Incubator	b) Code No.:	MCL / INC - 01
	c) SI No.:	N.S.	d) Make:	AL - Active Mfg. Co.
	e) Model / Type:	N.S.	f) Range:	As Per Report
	g) Sensor:	N.A.	h) Resolution:	0.1 °C
	i) End User:	Lab	j) Accuracy:	N.S.
	k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 12-12-23

1.4 Physical Condition of DUC : OK

1.5 Date of calibration : 12-12-23

1.6 Recommended date of next calibration : 12-12-24

1.7 Date of Issue : 14-12-23

1.8 Environmental Conditions During Calibration: Temperature: 25 °C ± 2 °C
Humidity: 55 % RH ± 10 % RH

1.9 Method of Calibration: SOP / TH / 05

2.0 Traceability :

- a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.
b) The following standards / Equipment have been used.

- i) Data Acquisition Switch Unit Cal. Certificate No. JRPM-CF-2023-ET-CSR-1012-C-1626 (JRPM, Chennai) (Cal. Date: 25/08/23, Due Date: 23/08/24)
ii) 4 Wire RTD Cal. Certificate No. TL / 023 / 568.1.1 (TEMPSENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

2.1 Result :

Thermal Calibration (Temperature)

Sl. No.	Parameter/ Range	Temperature Set at °C	Measured Value on DUC			Corrected Std. Value					Error °C	Zone	Measurement Expanded Uncertainty ± °C
			Min. °C	Max. °C	Average °C	Min. Ohms	Min. °C	Max. Ohms	Max. °C	Average °C			
1.	Temperature	37.0	37.0	37.0	37.00	114.463	37.21	114.517	37.35	37.295	-0.295	UZ	0.31
						114.494	37.29	114.540	37.41	37.367	-0.367	MZ	0.31
						114.517	37.35	114.559	37.46	37.419	-0.419	LZ	0.31

- Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.
ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.
iii) Average Reading obtained by 10 Readings.
iv) Error = Average DUC Reading - Average Standard Reading.
v) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard Min. - Minimum
Max. - Maximum UZ - Upper Zone MZ - Middle Zone LZ - Lower Zone

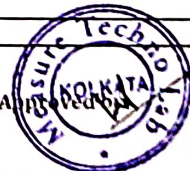
Opinions and Interpretations

Calibrated	√	Accepted / Valid for use
Limited Use		Rejected / Out of use

Calibration Engineer
Measure Techno Lab
Kolkata
Calibration Engineer

Checked / Approved

Quality / Technical Manager



Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04

Rev. Date : 01.04.22