

MEASURE TECHNO LAB
2, B.T. ROAD (JAYANTI CINEMA COMPLEX)
BARRACKPORE, KOLKATA - 700120, W.B.

Form No. - MTL/22/2006

**CALIBRATION CERTIFICATE OF
REFRIGERATOR**



Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519,
 Mobile: 9831190974 , LAB:- 8100143376,
 E-mail: measuretechno@yahoo.co.in

CALIBRATION CERTIFICATE NO.:MTL / MMC&H(SL) / R05 / 02 - 22

ULR - CC254522000006617F

Page: 1 of 1

1.0 Service Request No.: MTL / 23C / 02 / 21 - 22

1.1 Issued to: Prof. & HOD,
 Department of Microbiology (Serology Lab)
 Midnapore Medical College & Hospital,
 Paschim Medinipur, West Bengal - 721101.

1.2 Description & Identification of item to be Calibrated:

a) Name:	Refrigerator	b) Code No.:	MMC / MICRO / SERO / REF - 01
c) SI No.:	N.S.	d) Make:	LG
e) Model / Type:	GL - B225BGLL	f) Range:	As Per Report
g) Sensor:	N.A.	h) Resolution:	N.A.
i) End User:	Serology Lab	j) Accuracy:	N.S.
k) Calibration done at:	√ On Site / In House		

1.3 Date of receipt of item : 23-02-22 1.4 Physical Condition of DUC : OK
 1.5 Date of calibration : 23-02-22 1.6 Recommended date of next calibration : 23-02-23
 1.7 Date of Issue : 26-02-22

1.8 Environmental Conditions During Calibration: Temperature: 25.7 °C
 Humidity: 64.6 % 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 - CCTR - ET - 2021 - 1227 (JRPM, Chennai) (Cal. Date: 26/08/21, Due Date: 25/08/22)
 - ii) RTD (PT - 100) Cal. Certificate No. TL / 021 / 1091.2.1 (TEMPSENS, Udaipur) (Cal. Date: 25/10/21, Due Date: 24/10/22)

2.1 Result :

Thermal Calibration

Sl. No.	Parameter/ Range	Chamber	Corrected Std. Value °C			Zone	Measurement Expanded Uncertainty ± °C
			Min.	Max.	Average		
1.	Temperature	Deep	-20.21	-20.16	-20.196	LZ	0.83
			-20.19	-20.14	-20.178	RZ	0.83
2.	Temperature	Normal	5.21	5.26	5.221	Rack - 1	1.06
			5.24	5.29	5.280	Rack - 2	1.06
			5.27	5.32	5.310	Rack - 3	1.06
			5.31	5.36	5.347	Rack - 4	1.06

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.

DUC - Device Under Calibration N.S. - Not Specified N.A. - Not Applicable Std. - Standard Min. - Minimum
 Max. - Maximum LZ - Left Zone RZ - Right Zone

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

Testing Engineer
 Measure Techno Lab
 J. Dey
 Kolkata
 Testing Engineer

J. Dey
 26/02/22

Checked / Approved by:

 Quality & Technical Manager
 S. Pandey