



# GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L I G. Colony Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276470703 / 9028888728



CC-2957

## CALIBRATION CERTIFICATE

<b>1.CUSTOMER</b>		Page No	- 1 of 1
Pravara Medical Trust, Pravara Institute of Medical Sciences, Microbiology Lab CCL LONI, Dist. Ahmadnagar		Certificate No	- GTS/210603/06-001
Ambient Temp. (°C)		Date of Received	- 03.06.2021
Relative Humidity (%RH)		Date of Calibration	- 03.06.2021
Barometric Pressure (mbar)		Next Calibration Due On	- 02.06.2022
Location of calibration		Issue Date	- 08.06.2021
Condition of Item		Calibration method No.	- MECH-WI-06
		ULR No	- CC295721000004673P

<b>2. Description of Item</b>			
Name	- Micropipette	Range	- 5 to 50 ul
Id No	- PMT/MICROCC/PIP 01	Least Count	- 0.5 ul
Make	- HI Media	Location	- Microbiology Lab CCL
Type	- Variable	Sr No	- HIM16069062

<b>3.Details of Equipment used for calibration</b>				
Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/010621/001	Nishitronics Instrumentation	GTS/WB-01	31.05.2022

### \*Mechanical Calibration

<b>4.Calibration Results</b>				
Calibration Points ul	Standard Reading ul	Set Value on UUC ul	Error in ul	Expanded Uncertainty in ± ul
5	4.9946	5	0.0054	0.50
25	24.9843	25	0.0152	1.50
50	49.9345	50	0.0655	1.50

**Note:**  
 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$ , which corresponds to a coverage probability of approximately 95.45% for normal distribution  
 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.  
 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.  
 4) Calibration point were selected as per customer specifications.  
 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".  
 6) Not in NABL scope

Calibrated By  D B Calibration Engineer D Ballal		Approved By   Technical Manager Swapnil Bhagawat
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RF-51/00 End of Certificate

Dr. Nikhil S. Deshpande  
 Associate Professor  
 Department of Pathology  
 Dr. Balasaheb V. Khe Patil  
 Rural Medical College, Loni  
 PIMS (DU), Loni, Dist. A. Nagar, 4313736

Incharge  
 CCL- Biochemistry  
 PMT, RMC, Loni

S. N Jangle at 3:30 pm  
 12.04.2022  
**Dr. S. N. JANGLE**  
 Prof. & H. O. D. Biochemistry  
 Rural Medical College, PMT  
 Tal. Rahata, Dist. A. Nagar-413736



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CC-2957

## CALIBRATION CERTIFICATE

<b>1. CUSTOMER</b>		Page No	:- 1 of 1	
Pravara Medical Trust,		Certificate No.	:- GTS/210603/06-002	
Pravara Institute of Medical Sciences,		Date of Received	:- 03.06.2021	
Microbiology Lab CCL		Date of Calibration	:- 03.06.2021	
LONI, Dist. Ahmadnagar		Next Calibration Due On	:- 02.06.2022	
Ambient Temp. (°C) :- 23.9		Issue Date	:- 08.06.2021	
Relative Humidity (%RH) :- 50		Calibration method No.	:- MECH-VI-06	
Barometric Pressure (mbar) :- 942.2		ULR No	:- CC295721000004674F	
Location of calibration :- In Lab				
Condition of Item :- Ok				

<b>2. Description of Item</b>				
Name	:- Micropipette		Range	:- 50 to 300 ul
No	:- PMT/MICROCCU/PIP 02		Least Count	:- 1 ul
Make	:- Qualipette		Location	:- Microbiology Lab CCL
Type	:- Multi-CH		Sr No	:- CU 31148

<b>3. Details of Equipment used for calibration</b>				
Name	Certificate No.	Certified By	ID/Sr. No.	Calibration Validity
Weighing Balance	NI/GTS/010621/001	Nishitronics Instrumentation	GTS/WB-01	31.05.2022

<b>*Mechanical Calibration</b>				
<b>4. Calibration Results</b>				
Calibration Points ul	Standard Reading ul	Set Value on UUC ul	Error in ul	Expanded Uncertainty in $\pm$ ul
50	49.9443	50	0.0557	1.50
150	149.9246	150	0.0754	1.50
300	299.6007	300	0.3993	1.50

**Notes:**

- 1) The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$ , which corresponds to a coverage probability of approximately 95.45% for normal distribution.
- 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".

Calibrated By  D B Calibration Engineer D Ballal		Approved By   Technical Manager Swarnil Bhagawat
RF-51/00	End of Certificate	



Certificate No: BIO/2021-22/17202

## CALIBRATION & VALIDATION CERTIFICATE

Nomenclature: - Centrifuge Machine

Date of Validation: 31/01/2022

Make: - REMI

Next Validation Date: 30/01/2023

Model No / Sr. No. : R8C / ZDBN04686

Address: CCL MICROBIOLOGY LAB, PRAVARA HOSPITAL, LONI (M.H.)

Environmental Conditions: Ambient Temp.:  $25 \pm 4^\circ$ . Relative Humidity:  $\leq 70\%$  RH

Calibration Standard Used & Trace-ability, Kailteck Test & Research Centre P Ltd. Indore  
With Digital Tachometer Certificate No: KTRC/2103R000104

S.No.	Standard RPM.	Actual Observation	Uncertainty ( $\pm$ )	Accuracy claimed
01.	1000	1089	+89	Within limit
02.	900	975	+75	Within limit
03.	1100	1140	+40	Within limit
04	1200	1245	+45	Within limit

**Details of Equipment used for calibration:**

1. Digital Tachometer.

**DUC:** Device under Calibration.

Uncertainty of the measurement is stated in the result at 95 % Confidence Level for  $k = 1.96$

- The Mean Reading stated in the certificate is mean of 10 reading taken
- This certificate refers only to the item calibrated & shall not be reproduce except in full, without our written permission
- Results reported are valid at the time of and under the stated conditions as above
- The calibration results are applicable only to the items which have been calibrated & do not apply to any other items even though declared similar/ identical
- We will not be liable for any change in calibration data & performance specification because of malfunctioning of standard instrument/equipment due to any damage caused to it after the report, in respect of it being issued.
- Any anomalies/ discrepancies in the report should be brought to our notice within 30 days from the report issue date.

Checked By  
[G.C. Er.]



Tested By  
[Testing Er.]



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**NSIC**



# Bioline India®



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E-mail : rajeev@biolineindia.com  
Website : www.biolineindia.com

Certificate No: BIO/2021-22/17210

## CALIBRATION & VALIDATION CERTIFICATE

Nomenclature: Domestic Refrigerator

Date of Validation: 31/01/2022

Make:- Godrej

Next Validation Date: 30/01/2023

Model No. / Sr. No:- 00012925

Capacity:- 300L

Address: CCL MICROBIOLOGY LAB, PRAVARA HOSPITAL, LONI (M.H.)

Environmental Conditions: Ambient Temp.:  $25 \pm 4^\circ\text{C}$ , Relative Humidity:  $\leq 70\% \text{RH}$

Calibration Standard Used & Trace-ability, Kailteck Test & Research Centre P Ltd. Indore  
With Digital Temperature Indicator, Certificate No: KTRC/2107R002529

S. No.	Standard Reading $^\circ\text{C}$	Mean DUC reading $(^\circ\text{C})$	Accuracy claimed	Uncertainty $(\pm) (^\circ\text{C})$
1.	$4^\circ\text{C}$	$4.0^\circ\text{C}$	Within limit	$+0.0^\circ\text{C}$
2.	$4^\circ\text{C}$	$4.1^\circ\text{C}$	Within limit	$+0.1^\circ\text{C}$
3.	$4^\circ\text{C}$	$4.2^\circ\text{C}$	Within limit	$+0.2^\circ\text{C}$
4.	$4^\circ\text{C}$	$4.0^\circ\text{C}$	Within limit	$+0.0^\circ\text{C}$
5.	$4^\circ\text{C}$	$4.2^\circ\text{C}$	Within limit	$+0.2^\circ\text{C}$

DUC: Device under Calibration.

Uncertainty of the measurement is stated in the result at 95 % Confidence Level for  $k = 1.96$

- The Mean Reading stated in the certificate is mean of 10 reading taken
- This certificate refers only to the item calibrated & shall not be reproduce except: in full, without our written permission
- Results reported are valid at the time of end under the stated conditions as above
- The calibration results are applicable only to the items which have been calibrated & do not apply to any other items even though declared similar identical
- We will not be liable for any change in calibration data & performance specification because of malfunctioning of standard instrument equipment due to any damage caused to it after the report, in respect of it being issued.
- Any anomalies / discrepancies in the report should be brought to our notice within 30 days from the report issue date.

Checked By  
[Q.C. Er.]



Tested By  
[Testing Er.]



एन एस आई सी  
**NSIF**