



# EURO CALIBRATION TECHNIQUE

No. 387, IInd Floor, TIC Road, Varadharajapuram,  
Ambattur, Chennai-600 053. Tamil Nadu

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## CERTIFICATE OF CALIBRATION

Certificate Number : ECT 2021/0239- 08  
ULR Number : CC2519 21 0 00002438F

Date of Issue : 15-Mar-2021

Pages : 1 of 2

### Customer Name and Address

M/s. Indira Gandhi Medical College & Research Institute,  
Ground Floor, Hospital Block,  
Department Of Microbiology,  
ICTC IGMC, Kathirkammam,  
Puducherry- 605 009.

SRF Number : 2021/0239

Receipt Date : 12-Mar-2021

Date of Calibration : 12-Mar-2021

Suggested calibration Due Date : 11-Mar-2022

Calibrated at In House

Customer Reference : Work Order

Calibration Procedure : ECT/WI-M-06

### Equipment Under Calibration

Physical Condition : Good

Name : Micropipette

Make : Lab Systems

Range : 200 to 1000  $\mu$ l

Model : --

S.No : B92587

Accuracy : As Per Manual

ID No. : IGMC/ICTC/PIPETTE/02

Location : --

### Environmental Conditions

Temperature 25.5  $^{\circ}$ C

Relative Humidity 54.9 %RH

Atmosphere Pressure

1000 mbar

### Standard Equipment used for Calibration

S.No	Standard Instrument	Serial No	Certificate number	Validity
1	Semi Microbalance	31504484	TVC SPL 20/10/882-04	30.09.2021

### Calibration Results

Parameter - Mechanical / Volume

1. Volume Measurement for Low value 200  $\mu$ l  
Number of Measurements taken is 10


Measurements									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
199.95	199.83	199.86	199.92	199.83	199.64	199.92	199.86	199.92	199.91

Mean Volume 199.86  $\mu$ l


Systematic Error -0.14  $\mu$ l

Random Error 0.09  $\mu$ l

Measurement Uncertainty  $\pm$  2.00  $\mu$ l

  
Checked By



  
Authorized Signatory  
K.ABDUL VAJITH / R.SATHYAKALA

REMARKS: 1. Calibration certificate traceable to National / international standards which realize the units of measurement according to the international system of units (SI).  
2. This certificate shall not be reproduced except in full without return approval of Euro Calibration Technique. 3. The Calibration results reported in the certificate as valid at the time of and under the stated condition of measurement for the particular equipment. 4. Next Calibration due date mentioned as per the customer requirement. 5. The measurement confidence level is 95% for a coverage factor k=2. 6. Calibration certificate issued for weights & measure parameter i.e mass, balance, volumetric equipments are for scientific or industrial purpose only.



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2. Volume Measurement for Low value 500  $\mu$ l  
Number of Measurements taken is 10

Measurments									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
499.86	499.92	499.82	499.79	499.68	499.75	499.92	499.79	499.90	499.89

Mean Volume 499.83  $\mu$ l  
Systematic Error -0.17  $\mu$ l  
Random Error 0.08  $\mu$ l  
Measurement Uncertainty $\pm$  2.00  $\mu$ l

3. Volume Measurement for Low value 1000  $\mu$ l  
Number of Measurements taken is 10

Measurments									
$\mu$ l									
1	2	3	4	5	6	7	8	9	10
999.82	999.92	999.79	999.78	999.85	999.97	999.82	1000.42	1000.17	1000.15

Mean Volume 999.97  $\mu$ l  
Systematic Error -0.03  $\mu$ l  
Random Error 0.21  $\mu$ l  
Measurement Uncertainty $\pm$  2.00  $\mu$ l

Checked By



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