



CC-2725

**CERTIFICATE OF CALIBRATION**

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Certificate No: CC-22-23-L-297/01

Customer Name & Address

M/s. Life Care Diagnostics
11, Vaithiyanaatha Iyyer,
1st Street, Madurai - 625 020.

ULR No.

CC27252200004785P

SRF No.

VCI-22-23-L-297

Date of Receipt

05.07.2022

Date of Calibration

06.07.2022

Due Date for Calibration

05.07.2023

Date of Issue

07.07.2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	ThermoScientific
Range	1 - 10 μ l	Model	Finnpipette F3
Resolution	0.01 μ l	Material	pvc
Serial Number	RW03095	Operating Range	1 - 10 μ l
ID Number	LCD/MDU/MOL/EQP/23	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	Molecular Biology Lab

Environmental Condition				Calibration Method Used	
Temperature (°C)	23 \pm 2	Humidity (%RH)	55 \pm 15	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-WB-017 / 55492	CC-21-22-S-994/01	Wensar / MAB 250	National Standards	14.10.2022

Z Factor: 1.00319

Result of Calibration in μ l											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)	
1	1	0.99	0.93	0.90	0.87	0.83	0.89	-0.11	0.06	0.20	
		0.95	0.92	0.89	0.85	0.81					
2	5	4.79	4.71	4.69	4.63	4.63	4.68	-0.32	0.05	0.20	
		4.75	4.70	4.65	4.65	4.64					
3	10	10.02	10.07	10.11	10.15	10.08	10.08	0.08	0.04	0.20	
		10.05	10.09	10.13	10.01	10.06					

Note: Conformity Statement

Pass: Fail:

Remarks

- UUC is Defined as the Unit Under Calibration.
- The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor $k=2$.
- This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
- Calibration of the UUC are traceable to National / International Standards.
- This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- The recalibration interval shall be determined on the user requirements.
- Nabl-133 guidelines are adopted for use of NABL symbol.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.
- Our Nabl Scope is Upto 10 μ l to 10ml.
- The Deviation is within MPE, So after calibration is not required.

Checked & Issued by:

M. Manju
M.Manju

(Engineer - Calibration)



Authorised by:

[Signature]
C.Dhinakaran

(Technical/Quality Manager)

No.16, 6th Street, Annai Sathya Nagar, Poothapedu Ramapuram, Chennai - 89.

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