



CC-2725

**CERTIFICATE OF CALIBRATION**

Certificate No: CC-22-23-L-297/05

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Customer Name & Address M/s. Life Care Diagnostics 11, Vaithyanatha Iyyer, 1st Street, Madurai - 625 020.	ULR No.	CC272522000004789F
	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	Thermo Scientific
Range	20 - 200µl	Model	Finnpipette F2
Resolution	0.2 µl	Material	pvc
Serial Number	RW06365	Operating Range	20 - 200µl
ID Number	LCD/MDU/MOL/EQP/18	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	Molecular Biology Lab

Environmental Condition				Calibration Method Used	
Temperature (°C)	23±2	Humidity (%RH)	55±15	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.4	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 µl											
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	20	19.98	19.91	19.89	19.87	19.80	19.89	-0.11	0.05	0.20	
		19.95	19.90	19.88	19.83	19.93					
2	100	100.02	100.07	100.11	100.12	100.17	100.11	0.11	0.05	0.20	
		100.05	100.09	100.12	100.15	100.19					
3	200	200.23	200.27	200.32	200.37	200.42	200.33	0.33	0.07	0.88	
		200.25	200.29	200.35	200.39	200.45					

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 10µl to 10ml.
- The Deviation is within MPE, So after calibration is not required.

Checked &amp; Issued by:

M. Manju

M.Manju

(Engineer - Calibration)



Authorised by:

C.Dhinakaran

(Technical/Quality Manager)

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

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