

Thermo Fisher Scientific India Pvt. Ltd.

Calibration Laboratory

D-96, MIDC, C Road, Satpur, Nashik-422 007

Maharashtra, India

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ISO/IEC 17025:2017 calibration laboratory accredited by NABL, India.





Calibration Certificate

Page 01 of 02 CC269020000002423F ULR (Unique Lab Report) number: 2423 Calibration certificate number:

Customer: Pulse Path Clinical

23 Aroma Complex, 1st Floor, Soma Talav, Char Rasta Dabhoi Road

Vadodara - 390025

Through: Thermo Fisher Scientific India Pvt. Ltd., Pipette Division, Nashik.

Calibration details:

Calibration and Certificate issue date:

24/9/20

Lab work order number:

20/09-08

Calibrated by:

Thermo Fisher Scientific India Pvt. Ltd. - Calibration Laboratory, D-96, MIDC Satpur, Nashik - 422 007. Calibration location:

24/9/21 Next calibration date (as per Customer's request):

Catalogue number:

Device information:

Description:

Manufacturer:

Finnpipette F3 100-1000µl

Thermo Fisher Scientific

Number of channels:

OW11133 Serial number: Tip used: Finntip 1000

Customer's asset ID:

Environmental condition:

25.85 °C Air Temperature:

4640060

26.24 °C Water Temperature:

1.0042 Z correction factor (µl/mg):

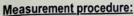
Air Pressure:

939.9 hPa 70.0 %

Relative Humidity (%RH): Y correction factor ((1/K)xK): 1.00052

nt details (Traceable to National and International standards):

Equipment Equipment	Lab ID	Serial number	Model number	Calibration date	Calibration due date	Calibrated by with NABL certificate number
Semi-micro Balance (Mettler Toledo)	QP-02	B115129036	XP205	13/11/19	12/11/20	Mettler Toledo, Mumbai (CC-2523)
Universal measuring instrument with sensors for environmental	QP-10	H19070544	2590-4AS	09/10/19	08/10/20	Autocal, Nashik (CC-2052) & Lawkim, Mumbai (CC-2634)



The pipette calibration work instruction (LD-03/WI-01) of Thermo Fisher calibration laboratory follows the guidelines of the ISO 8655-6 standard. The device is calibrated for delivery (Ex) of the test liquid. The used test liquid is distilled water fulfilling ISO 3696 requirements.

Calculations are done using the following formula: $V(\mu I) = m(mg) \times Z (\mu I/mg) \times Y ((1/K) \times K)$. The mass / volume conversion is done using the Z factor (Annex A in EN ISO 8655-6). The obtained results are converted to correspond the reference temperature of 27°C using the Y factor. With variable volume conversion is done using the Z factor (Annex A in EN ISO 8655-6). The obtained results are converted to correspond the reference temperature of 27°C using the Y factor. With variable volume or the minimum volume of the range (the higher value is used) are calibrated. With fixed volume devices, the nominal volume is calibrated. Ten measurements are performed at each calibrate volume.

The test device is held at the calibration laboratory for minimum of two hours to reach the temperature equilibrium. The environmental conditions of the laboratory are monitored and recorded during the calibration procedure.

The stated uncertainty is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2.

This corresponds the confidence level of 95%. The uncertainty budget is defined by lab internal procedure following the guidelines of ISO/TR 20461.

Device conformity status (considering applied Decision rule):

PASSED

Pramod Jadhav

24/9/20 Date



LF-21 Rev.02