

Variable volume Micropipette Calibration Report

Laboratory Name: Deep Clinical Laboratory No-08/2024-25
 Karve Nagar Pune 411052
 Pipette Sr. No. MF417875 Calibration Date 03.05.2024
 Pipette Make Superfit Recalibration Date 02.05.2025
 Pipette Type Variable Volume Water Temperature 25°C
 Pipette Volume 100-1000 µl Standard Reference Analytical Balance
 Pipette Condition Good Serial No. of Reference 3206508

Pipette Volume 100-1000 µl

Serial No. →	MF417875		
Measured Values ↓	100	500	1000
1	0.1018	0.4951	1.0031
2	0.1018	0.5049	1.0035
3	0.1020	0.5039	1.0003
4	0.1030	0.5034	1.0013
5	0.1033	0.5039	1.0009
6	0.1023	0.5043	0.9998
7	0.1025	0.5042	0.9999
8	0.1025	0.5038	1.0000
9	0.1025	0.5025	1.0003
10	0.1025	0.5000	1.0004
Mean	0.10049	0.50	1.00095
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.10085	0.5044	1.00455
Volume dispensed in µl	100.852	504.409	1004.553
Precision in % (SD)	0.00048	0.00	0.00132
Coefficient of variation	0.00048	0.00	0.00013

Max Permissible systematic error in µl	±3.000	±5.000	±6.000
Systematic error of measurement in µl	0.852	4.409	4.553
Max Permissible relative systematic error in %	±3.000	±1.000	±0.600
Relative Systematic error of measurement in %	0.852	0.882	0.455
Max Permissible random error in µl	±0.600	±1.000	±2.000
Random error of measurement in µl	0.000	0.003	0.001
Max Permissible random error in %	±0.600	±0.2000	±0.200
Random error of measurement in %	0.00048	0.00059	0.00013

Calibration Status after volume adjustment

Calibration Status	Calibrated	Calibrated	Calibrated
Reference Material Calibration Date:		15.05.2023	
Reference Material Calibration Due Date:		14.05.2024	
Reference Material Calibration Certificate No:	ACS/223/CM106/220001		

The maximum permissible errors are specified in accordance with DIN EN ISO 8655

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