

Variable volume Micropipette Calibration Report

Laboratory Name:	Deep Clinical Lab	No-09/2024-25
	Karvenagar Pune 2	
Pipette Sr. No.	OW00238	Calibration Date 03.05.2024
Pipette Make	Mispa	Recalibration Date 02.05.2025
Pipette Type	Variable Volume	Water Temperature 25°C
Pipette Volume	20-200 µl	Standard Reference Analytical Balance
Pipette Condition	Good	Serial No. of Reference 3206508

Pipette Volume 20-200 µl

Serial No.→	OW00238		
Measured Values ↓	20	100	200
1	0.0195	0.0993	0.1963
2	0.0206	0.1002	0.1991
3	0.0210	0.0994	0.1997
4	0.0196	0.1000	0.1997
5	0.0191	0.0960	0.2016
6	0.0183	0.1005	0.2001
7	0.0204	0.0991	0.2003
8	0.0195	0.0998	0.2001
9	0.0204	0.0956	0.2003
10	0.0195	0.1001	0.2011
Mean	0.01979	0.09900	0.19983
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.01986	0.0994	0.20055
Volume dispensed in µl	19.861	99.356	200.549
Precision in % (SD)	0.00081	0.0017	0.00143
Coefficient of variation	0.00406	0.0018	0.00071

Max Permissible sytematic error in µl	0.500	1.000	1.200
Systematic error of measurement in µl	-0.139	-0.644	0.549
Max Permissible systematic error in %	2.500	1.000	0.600
Systematic error of measurement in %	-0.694	-0.644	0.275
Max Permissible random error in µl	0.140	0.300	0.400
Random error of measurement in µl	0.001	0.002	0.001
Max Permissible random error in %	0.700	0.300	0.200
Random error of measurement in %	0.00406	0.00175	0.00071

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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