



# CALIBRATION CERTIFICATE

Certificate Number: H00G83ASXR-0

Order Number: 222-766

**RAININ**  
Pipetting 360°

**Customer** Houston Forensic Science Center  
Jennifer O'Callaghan  
500 Jefferson St  
Houston, TX 77002-7300

**Location** 500 Jefferson St

**Serial Number** H66848K

**Model** EPPENDORF MULTIPETTE M4 1ML COMBITIP  
**Next Service** 31.Oct.2024  
**Service Plan** Onsite: Single Channel PM, 3x5 AR

**Inspection** Over All Condition: Good

**Preventive Maintenance:** Cleaned and checked  
**Adjustment:** No-Adjustment made

**As left-Passed** Steven Murray 30.Oct.2023

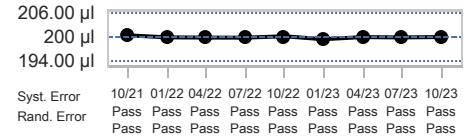
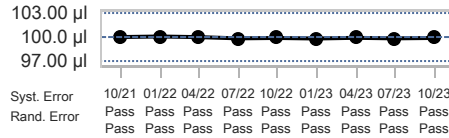
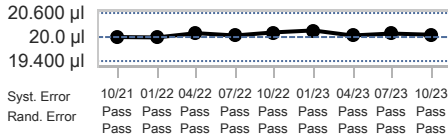
**Conditions** Humidity 49.5 % | 49.4 %      **Air Temperature** 19.7 °C | 19.9 °C  
Air Pressure 1011.9 hPa | 1012.0 hPa      **Water Temperature** 19.7 °C | 19.9 °C  
**Equipment** Balance C132316237Next Cal. (30.Nov.2023)Readability (0.0001 g)  
**Climate Monitor** Bar. pressure abs. air pressure (2112149)Next Cal. (01.Dec.2023) | Humidity (2112149)Next Cal. (01.Dec.2023) | Temp (2112149)Next Cal. (01.Dec.2023)

**Z-Factor** 1.0028 µl/mg  
**Evaporation** 0 mg  
**Specification Type** Custom  
**Pipette Tip** Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	20.1 mg	20.1 mg	19.7 mg	20.2 mg	19.9 mg
100.0 µl	99.4 mg	99.6 mg	99.5 mg	99.8 mg	99.7 mg
200 µl	199.2 mg	199.3 mg	199.1 mg	199.6 mg	200.0 mg

Test Volume (µl)	Mean Volume (µl)	Systematic Error				Random Error				Expanded Uncertainty (µl)	Status
		Error (µl)	Limit (+/- µl)	Error (%)	Limit (+/- %)	Error (µl)	Limit (µl)	Error (CV%)	Limit (%)		
20.0	20.06	0.06	0.600	0.2800	3.00	0.20	0.600	1.000	3.00	0.56 µl (k=2.43)	Passed
100.0	99.88	-0.12	3.00	-0.1211	3.00	0.16	3.00	0.1587	3.00	0.46 µl (k=2.32)	Passed
200	200.0	-0.002	6.00	-0.0007840	3.00	0.37	6.00	0.1829	3.00	1.1 µl (k=2.87)	Passed

## As left History



Authorized Signatory, Steven Murray  
30.Oct.2023

**METTLER TOLEDO**  
ACCREDITED LABORATORY  
7500 Edgewater Drive  
Oakland, CA 94621

This calibration covered by this certificate is in accordance with ISO 8655-7:2022 and PS-125. Its measurements are traceable to SI through N.I.S.T. This laboratory has been accredited by A2LA for the requirements of ISO/IEC 17025:2017. The reported expanded uncertainty of measurement (U) is stated as the standard uncertainty of measurement multiplied by the coverage factor k such that the coverage probability corresponds to approximately 95 %. Statement of compliance does not include the measurement of uncertainty. Mettler-Toledo Rainin LLC grants permission to reproduce this document in full only. ©2020 Mettler-Toledo Rainin, LLC