



# CALIBRATION CERTIFICATE

Certificate Number: H00G83ATF4-0

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** N41235D

**Model** EPPENDORF MULTIPETTE XSTREAM/STREAM 0.2ML 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

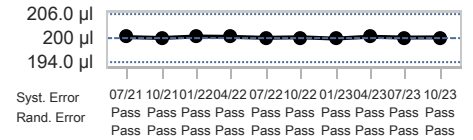
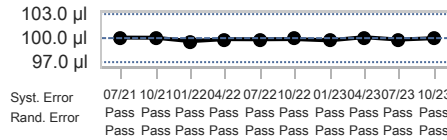
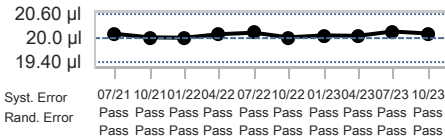
**As left-Passed** Steven Murray 30.Oct.2023

<b>Conditions</b>	<b>Humidity</b>	Start   End 49.2 %   48.4 %	<b>Air Temperature</b>	Start   End 20.1 °C   20.3 °C	<b>Z-Factor</b>	1.0029 µl/mg	
	<b>Air Pressure</b>	1012.0 hPa   1012.1 hPa	<b>Water Temperature</b>	20.1 °C   20.3 °C	<b>Evaporation</b>	0 mg	
<b>Equipment</b>	<b>Balance</b>	C132316237Next Cal. (30.Nov.2023)Readability (0.0001 g)			<b>Specification Type</b>	Custom	
	<b>Climate Monitor</b>	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)				<b>Pipette Tip</b>	Customer Supplied

Test Volume (µl)	Weighings				
	1	2	3	4	5
20.0 µl	20.4 mg	20.1 mg	20.0 mg	20.0 mg	19.8 mg
100.0 µl	99.7 mg	99.6 mg	99.8 mg	99.6 mg	99.8 mg
200 µl	199.6 mg	199.5 mg	199.5 mg	199.7 mg	199.8 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 (%)		
		(µl)	(+/- µl)	(%)	(+/- %)	(µl)	(µl)	(CV%)	(%)		
20.0	20.12	0.12	0.60	0.5909	3.0	0.22	0.60	1.092	3.0	0.65 µl (k=2.87)	Passed
100.0	99.99	-0.01	3.0	-0.01087	3.0	0.10	3.0	0.1003	3.0	0.27 µl (k=2)	Passed
200	200.20	0.20	6.0	0.09945	3.0	0.13	6.0	0.06532	3.0	0.38 µl (k=2)	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