



Calibration Done By : ACE Pipettes LLC, Cypress, TX

Customer Information

Customer Name: Houston Health
 Address: 2250 Holcombe Blvd
 City-Zip: Houston, 77030
 Department: Medical Microbiology

Laboratory Test Conditions - As Left Data

Start Temp (deg. C): 21.7
 Env. Pr(Kpa): 100.6
 Env. Humidity(%): 44.9
 Z Factor: 1.0032

Eqp Details-Pipette 1 Ch. Gilson PIPETMAN CLASSIC 1 Ch- P200 (50 -200 uL)

Calibration Site: Onsite
 S/L No: P53099L
 ID Marks: SENSITITRE 1
 Cal Interval: Yearly
 Test Date: 12-Sep-2024
 Due Date: 12-Sep-2025

Laboratory Test Equipment and Standards

| EID | Description | S/L No: | Last Cal Date | Next Cal Due Date |
|----------|-------------------------|------------|---------------|-------------------|
| AM000001 | RH Meter/Thermometer | 240129724 | 12-Feb-2024 | 12-Feb-2026 |
| AM000002 | Mettler Balance XP205DR | B043079758 | 22-Feb-2024 | 28-Feb-2025 |
| AM000003 | Weight Standard | 08496 | 08-Sep-2024 | 30-Sep-2025 |

As Left Data **Status: Pass**

| | 50uL | 100uL | 200uL |
|---------------------------------------|--------------|--------------|--------------|
| | 50.16 | 100.02 | 199.44 |
| | 50.16 | 100.32 | 199.64 |
| | 50.36 | 100.12 | 199.74 |
| | 50.56 | 100.42 | 199.44 |
| | 50.46 | 100.02 | 200.04 |
| Z Factor | 1.0032 | 1.0032 | 1.0032 |
| Mean Corrected - uL | 50.34 | 100.18 | 199.66 |
| Target | 50.0 | 100.0 | 200.0 |
| Accuracy (% Diff) | 0.68 | 0.18 | 0.17 |
| Inaccuracy Tolerance-Manfr. Spec (%) | <=1 | <=0.8 | <=0.8 |
| Accuracy Summary | Pass | Pass | Pass |
| SD Corrected | 0.18 | 0.18 | 0.25 |
| Precision (%CV) | 0.36 | 0.18 | 0.13 |
| Imprecision Tolerance-Manfr. Spec (%) | <=0.4 | <=0.2 | <=0.15 |
| Imprecision Summary | Pass | Pass | Pass |
| Uncertainty (+/-) uL | 0.41(K = 2) | 0.41(K = 2) | 1.41(K = 2) |
| Test Summary | Pass | Pass | Pass |

Calibration Notes:

Calibration Notes: This pipette was calibrated gravimetrically using our company internal Standard Operating Procedure (SOP-QA-00016). This report certifies that this pipette met the specification on the date shown here for the calibration date. The gravimetric data was measured in mg. or g. and converted to uL or mL using the correction factor from ISO 8655 Standard and accounted for density of distilled water. The uncertainty of measurement was calculated in accordance with requirements of ISO/IEC17025:2017. The measurement uncertainty is reported at a confidence level of at least 95.45% (k=2). MEASUREMENT UNCERTAINTY VALUE IS PROVIDED FOR CUSTOMER EVALUATION. The standards used for calibration are regularly calibrated and are traceable through the National Institute of Standards and Technology (NIST) to the (SI) unit. Results relate only to the item calibrated as received. This report shall not be reproduced except in full without written permission from our company.

Certificate ID No. CAL-M000675 Certificate Issue Date 12-Sep-2024
 EID AM001229 Calibration Done By Kaushika Banerjee

Kaushika Banerjee

Authorized by
 Date: 12-Sep-2024