

# PIPETTE CALIBRATION SERVICES LEVELS



## For All Services Levels:

- AF = As Found | AL = As Left
- Volume Levels x Number of Samples
- All Channels are Documented for Multi-Channel Pipettes

	<b>RESEARCH LEVEL</b> <i>Research Organizations &amp; Academic Labs</i>		<b>CLINICAL LEVEL</b> <i>Hospitals &amp; Clinical Labs (CAP/CLIA)</i>		<b>REGULATED LEVEL</b> <i>Pharmaceutical &amp; GxP Regulated Labs</i>		
	<b>LEVEL 1</b>	<b>LEVEL 2</b>	<b>FIXED VOLUME</b>	<b>VARIABLE VOLUME</b>	<b>LEVEL 1</b> <i>ISO 17025</i>	<b>LEVEL 2</b> <i>ISO 17025+</i>	<b>LEVEL 3</b> <i>ISO 8655</i>
	AF: 0   AL: 2 X 4 TOTAL SAMPLES: AF: 0   AL: 8	AF: 0   AL: 2 X 4 TOTAL SAMPLES: AF: 0   AL: 8	AF: 1 X 2   AL: 1 X 6 TOTAL SAMPLES: AF: 2   AL: 6	AF: 3 X 2   AL: 3 X 3 TOTAL SAMPLES: AF: 6   AL: 9	AF: 2 X 4   AL: 2 X 6 TOTAL SAMPLES: AF: 8   AL: 12	AF: 3 X 4   AL: 3 X 6 TOTAL SAMPLES: AF: 12   AL: 18	AF: 3 X 4   AL: 3 X 10 TOTAL SAMPLES: AF: 12   AL: 30
Preventative Maintenance	✓	✓	✓	✓	✓	✓	✓
NIST-Traceable Calibration	✓	✓	✓	✓	✓	✓	✓
Individual Detailed Calibration Certificate Issued	✓	✓	✓	✓	✓	✓	✓
Calibration Label Affixed to Instrument	✓	✓	✓	✓	✓	✓	✓
Calibration Tested at 10% and 100% of Nominal Volume	✓	✓	✓	✓	✓	✓	✓
Leak Test Performed	✓	✓	✓	✓	✓	✓	✓
21 CFR Part 11 Compliant Single E-Signature	✓	✓	✓	✓	✓	✓	✓
Samples Documented		✓	✓	✓	✓	✓	✓
As-Found Sample Data			✓	✓	✓	✓	✓
21 CFR Part 11 Compliant Dual E-Signatures					✓	✓	✓
ISO/IEC 17025:2017 Accredited Certificate					✓	✓	✓
Uncertainty Reported					✓	✓	✓
ISO 8655:2022 Compliant Calibration						✓	✓
Extended # of Samples for Statistical Analysis							✓