

# Pipette Calibration Service Level (Maintenance Checklist 2019)



	Maintenance Checklist	Level 1	Level 2	Level 3	Level 4	ISO Accredited
1.	General Inspection and checks for cracks, breaks, missing parts or corroded piston	✓	✓	✓	✓	✓
2.	Disassemble and cleaning of internal pipette parts	✓	✓	✓	✓	✓
3.	New Seal and O-ring replacement		✓	✓	✓	✓
4.	Pipette Functionality Check			✓	✓	✓
5.	Perform pipette Leak test				✓	✓
6.	Adjustment of pipette using manufacturer's adjustment tools.	✓	✓	✓	✓	✓
7.	Gravimetric reading of nominal volume and the lower volume measurements	No measurement data	4 'As left' data only	4 'As found' and 4 'As left' data	4 'As found' and 10 'As left' data	10 'As found' and 10 'As left' data
8.	Analysis of recorded volumes using pipette management software <ul style="list-style-type: none"> <li>• Systemic error (evaluation of accuracy)</li> <li>• Random error (evaluation of precision)</li> </ul>		✓	✓	✓	Includes measurement uncertainties
9.	Detailed Calibration Certificate	Batch certificate	Individual Certificate	Individual Certificate	Individual Certificate	Individual certificate with ISO logo
10.	Affix pipette label after service	✓	✓	✓	✓	✓
	Single-channel	8,500.00 ea.	10,550.00 ea.	12,550.00 ea.	15,950.00 ea.	TBA
	Multi-channel	12,000.00 ea.	14,900.00 ea.	16,900.00 ea.	20,900.00 ea.	TBA

Repairs and replacement of damaged / worn parts available (parts cost extra)

**Notes: All instruments must be decontaminated from radioactive, biohazardous material and toxic substances.**

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