

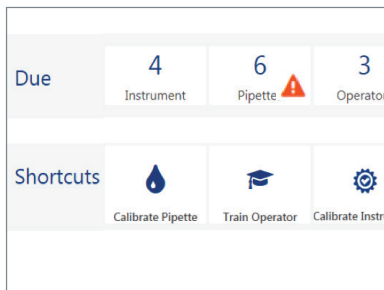


Ensure pipettes are performing properly and operator skills are standardized

Artel PCS®

Pipettes are the most frequently used instruments in the laboratory. Their performance is key to every sample dispense and dilution, and is critical for generating reliable data. The Artel PCS provides confidence in data integrity with scheduled pipette calibrations, interim performance verifications, complete documentation and pipette inventory management, even for pipettes calibrated outside of PCS Software – and it's an ideal tool for standardizing pipetting technique and assessing operator competency.

Precise calibration in a few simple steps.



1. Identify pipette.



2. Scan pipette



3. Scan calibration solutions.



4. Dispense samples.

Artel Pipette Calibration Report						
Pipette ART-101			Result PASSED			
Model	Gibson Pipeman P20	Completed	6/28/2016 1:41:57 PM			
Serial Number		Method	Example Plan, Version 1			
Nominal Volume	20.0000 µL	Calibration ID	20160628134038ART101			
Owner	Artel Marketing (Artel)					
Location	Sample Location					
Volume	Mean	Uncertainty	Inaccuracy	Tolerance	Imprecision	
20.00 µL	20.034 µL	1.45 %	0.17 %	5.00 %	1.61 %	
Uncertainty values reported are the maximum of the comparison of calculated measurement uncertainty and declared uncertainty.						
Replicates	Channel:1	1	2	3	4	5
(20 µL)		20.20	20.11	19.66	20.20	20.20

5. Obtain report.

Ideal for:

- Verifying the accuracy and precision of handheld pipettes
- Assessing and documenting operator competency
- Pipette QC and inventory management
- Complying with regulatory requirements
- Uploading calibration certificates and repair documentation, as well as summary statistics for pipettes calibrated outside of PCS Software

Gain confidence in the integrity of your data by ensuring your pipettes and their operators are working together to generate accurate and reproducible results

System Capabilities:

- Calibrates single channel pipettes from 0.1 μL to 5,000 μL in less than three minutes
- Allows scheduling of operator competency assessments
- Intuitive dashboard provides immediate overview of due calibrations and operator assessments
- Offers digital review and approval workflow
- Provides comprehensive reporting, including audit trail and printing of calibration labels
- Compact and portable design enables use in any laboratory
- Performs to the same tight specifications under various laboratory conditions; no special environmental controls required
- Generates measurement results traceable to the International System of Units (SI) via standards maintained by NIST.

Key Applications:

- Calibrate pipettes in the lab in which they are used
- Standardize pipetting technique with scheduled and documented operator competency assessments
- Conduct interim performance verifications to supplement full calibration programs
- Verify pipette performance before and after maintenance, or following outsourced service
- Upload calibration and repair certificates and input summary statistics for pipettes calibrated outside of PCS Software, including Artel Data Manager, Artel Pipette Tracker and third party or manufacturer services.
- Perform “quick checks” when pipetting performance or operator technique is in question

Compliance:

The PCS complies with the Photometric Method described in ISO 8655-7:2005 and can be used to fulfill test and calibration requirements according to CLSI QMS23:2019, ISO 17025:2017, cGMP, and cGLP. PCS Software can be used in laboratories compliant to 21 CFR Part 11.

“The Artel PCS ensures that our laboratory upholds the high standards required in today’s demanding environment. Having a system that is accurate and precise supports our mission of maintaining excellence in laboratory testing.”



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artel.co/PCS