

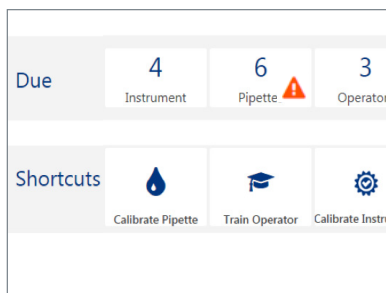


Ensure pipettes are performing properly and operator skills are standardized

## 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 – 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 <b>ART-101</b>			Result <b>PASSED</b>			
Model	Gilson Pipetman F20	Completed	6/7/2016 11:41:22 AM			
Serial Number	7443088	Method	Example Plan, Ver 01.1			
Nominal Volume	20.00 µl	Calibration ID	20165281310904RF101			
Owner	Artel Working Lab					
Location	Sa rate location					
Volume	Mean	Uncertainty	Inaccuracy	Tolerance	Imprecision	
20.00 µL	20.034 µL	1.45 %	0.17 %	5.00 %	1.61 %	
Uncertainty values are reported as the maximum of the error or four of calibration measurement uncertainty and bias						
Replicates	Channel#1	1	2	3	4	5
2:3 µL		20.20	20.11	19.76	20.22	20.26

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

# 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  $\mu\text{L}$  to 5,000  $\mu\text{L}$  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 results traceable to national (NIST) and international standards (SI units)
- Complies with regulatory requirements (CAP, CLIA, ISO, CLSI)
- Facilitates compliance to 21 CFR Part 11

## 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
- Perform “quick checks” when pipetting performance or operator technique is in question

“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.”



[artel-usa.com/PCS](https://artel-usa.com/PCS)