

Qualification/validation includes:

- Complete maintenance and system history, and inventory of components with documentation
- Universal IQ/OQ/PQ template format
 - Verification of components
 - Installation including electrical, plumbing, and communication connections
 - Functionality, operation, and conformity to manufacturer’s specifications
 - Performance of laboratory equipment for routine R&D, QA/QC, EPA, FDA, and client-compliance operation
- Prescheduled and annual instrument qualification/validation programs
- Cost effective and fast turnaround for your laboratory equipment IQ/OQ/PQ verification

Preventive maintenance & calibration

Equipment	Maintenance checklist	NIST-traceable calibration at operating set point	IQ/OQ/PQ available
Autoclaves	20 points	Sterilization temperature, pressure, and time	Yes
Balances	14 points	5 linearity checkpoints over range of unit and corner load (eccentricity)	No
Baths/Recirculating Baths	11 points	At ±1 °C	No
Environmental Chambers	10 points	At ±1 °C, ±5% relative humidity	Yes
Freeze Dryers	11 points	Probe temperature at ±2 °C and vacuum at ±5 micron	No
Furnaces	11 points	To manufacturer specification	No
Incubators	18 points	At ±1 °C, ±1% CO ₂	Yes
Ovens	11 points	At ±3 °C	Yes
Refrigerators/Freezers	17 points	At manufacturer tolerance	Yes
Shakers	14 points	At low and high speed at 5%, and time verification	No

Custom tolerances and other options such as temperature, humidity, CO₂ and O₂ may be available upon request.
When ordering IQ/OQ/PQ services, maintenance and calibration are included.

How to order

1. On [coleparmer.com/on-site-services](#), add a service to your cart.
2. Complete the service request instructions before you finalize your purchase.
3. After purchase, AL-TAR will contact you, using the information you provided in the shipping and payment step, to schedule the technician's arrival date.

Visit [coleparmer.com/on-site-services](#) or call **1-800-323-4340** to learn more.

Cole-Parmer®



On-Site Scientific Equipment Services

Maintenance, calibration, and IQ/OQ/PQ services

Sometimes, you need on-site services for your scientific equipment. Other times, shipping out is your preferred choice. Now, you have the best of both options from Cole-Parmer. Through our partnership with AL-TAR, we offer on-site maintenance, calibration, and qualification services—in addition to our in-house InnoCal® services.

Benefits of Cole-Parmer on-site services

- Easy online ordering—3 simple steps
- Flat rate pricing* (includes travel cost to your site)
- Reliable service with AL-TAR's nationwide** service network
- Experienced field engineers with extensive training
- Quality ensured with ISO 17025 accredited provider

*Flat rate is for services scheduled by our team within a 45-day window from purchase. Expedited service and some exceptions may require additional charges. Bulk rate discount pricing may be available when multiple services are being performed at the same site.

**Within contiguous 48 states.

coleparmer.com

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+1.847.549.7600
4965.1

Canada: +1.800.363.5900
China: +86.21.5109.9909
France: +33 (0) 1486 37800
Germany: +49 (0) 9377 92030

India: +1.800.266.1244
Italy: +39 (0) 1313 89513
UK: +44 (0) 1480.272279
All other countries: +1.847.549.7600





Maintenance & Calibration

Avoid unplanned downtime and expensive repairs with a preventive maintenance and calibration plan.

Maintenance is performed using checklists developed to follow current guidelines established by entities such as the College of American Pathologists, FDA Code of Federal Regulations 21 CFR 820.181, Clinical Laboratory Improvement Amendments (CLIA) Section 42 CFR 493.1254, and USP Guidelines.

Calibration is completed to NIST-traceable standards. This ensures your compliance to regulatory guidelines, accurate and repeatable measurements, and reliable operation of your equipment. Our calibration service includes your final input for calibration parameters and tolerances.

IQ/OQ/PQ

IQ/OQ/PQ programs help you assess, develop and implement regulatory compliance at your required level including FDA's Rule 21 CFR Part 11 and EPA's CROMERR.

You can get help from our experts with assessment and evaluation, development and planning, and master plan implementation and review. We can design a strategy for future regulatory compliance objectives and provide comprehensive support in meeting instrument qualification/validation and regulatory documentation needs.

