

Your Partner Across the Manufacturing Lifecycle



Contamination control solutions & expertise from building blueprint through product manufacturing

ECOLAB®

GLOBAL EXPERTS IN
CONTAMINATION CONTROL

With You Every Step of the Way

Every stage of pharmaceutical and biopharmaceutical manufacturing brings unique challenges, whether you're commissioning a new cleanroom, scaling production or recovering from a compliance issue.

Ecolab Life Sciences partners with you through it all, combining proven cleaning chemistry, bio-decontamination systems, digital validation tools and the expertise of our Global Technical Consultants (GTC) to help you achieve sterility assurance, regulatory confidence and operational efficiency.

Accelerated speed to market through streamlined workflows and reduced downtime.

Audit-ready processes supported by validated solutions and technical experts.

Improved sterility assurance with integrated contamination control strategies.

Lower total cost of compliance through optimized cleaning and validation.



New Facility & Expanded Enablement

We support cleanroom builds and manufacturing equipment installation with a validated Contamination Control Strategy (CCS), automated cleaning workflows and expert guidance - accelerating site readiness and ensuring compliance from day one.

New & Expanding Facility Program



Process Optimization

Our integrated approach combines cleaning chemistry, automated cleaning protocols, and digital validation tools to streamline workflows, reduce downtime and improve audit readiness - helping you scale faster and operate more efficiently.

Biopharma Program



Remediation, CAPA and Audit Response

When contamination or regulatory findings disrupt production, we respond quickly with rapid bio-decontamination services, validated cleaning protocols and expert-led root cause analysis - restoring compliance and helping prevent future risks.

Audit Response Program

Contamination Remediation & CAPA Program

Impact at Every Step of the Manufacturing Lifecycle







New & Expanding Facility Readiness

Pre-construction

Laying the foundation for success by planning ideal workflows and automated bio-decontamination technology integration.

Construction

Designing tailored contamination control programs supported by data and efficacy testing with a focus on compliance, to ensure operations run smoothly once started.

Commissioning

Preparing your facility for the moment construction closes and production opens to help ensure operational readiness and contamination risk reduction.

Process Optimization

Evaluate existing cleaning processes to identify sources of variability, inefficiency or risk. Apply data-driven insights to improve consistency, reduce changeover time and support scalable operations.

Recovery Response

Remediation & CAPA

Support investigations and corrective actions by assessing cleaning failures, documentation gaps or performance trends. Help teams implement sustainable CAPAs that address root causes and prevent recurrence.

Audit observations

Provide structured support after inspections by reviewing cleaning practices and documentation. Help teams respond to audit observations with remediation plans.

Solutions and Expertise that Make a Difference



Klercide™ Manual Cleaning and Disinfection Solutions

GMP-validated sterile and non-sterile cleaning and disinfection solutions for all grade cleanrooms. Low-residue chemistry can lessen rinse steps and reduce contamination risk.



Bioquell™ Hydrogen Peroxide Vapor (HPV)

Validated HPV bio-decontamination systems and services, including isolators with built-in HPV, deliver fast, reliable contamination control. Automated cycles reduce manual steps and variability, helping ensure GMP compliance while accelerating changeovers.



COSA™ CIP Solutions

Cleaning chemistry for product contact surfaces, including tanks, piping and production lines - helping ensure compliance and reducing downtime with efficient soil removal at lower concentrations and shorter contact times.



Global Technical Consultants (GTC)

Expert support for validation planning, risk assessments, process optimization and regulatory compliance, which is critical during startup phases, scale-up, finding efficiencies or recovery scenarios.



Digital Solutions

Log-books, real-time dashboards, cleaning validation tools, and predictive analytics for actionable insights and faster decision-making.



Purolite™ Resins

Chromatography resins for downstream purification of biologics. High-performance resins remove impurities, support product safety and enable scalable manufacturing.

Your Strategic Advantage

- Accelerated speed to market
- Audit-ready processes
- Improved sterility assurance
- Operational efficiencies

Scan to find out more about:

- Ecolab's Change Management program
- Ecolab's Validex™ program
- Ecolab's Bioquell™ automated bio-decontamination solutions

For information about our Manufacturing Lifecycle Programs speak to your Ecolab Account Manager or visit ecolab.com/manufacturinglifecycle

WORLDWIDE HEADQUARTERS
1 Ecolab Place
St. Paul, MN 55102
USA
www.ecolab.com/lifesciences

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