Ecolab® OR Program

Independent studies confirm that surfaces in the operating room are not cleaned properly, regardless of how much time is spent cleaning. In fact, there is little correlation between the amount of time spent cleaning and actual cleaning effectiveness, suggesting there is a fundamental lack of process control during cleaning. Studies also link suboptimal cleaning processes to the transmission of pathogens that cause surgical site infections (SSIs) and other types of healthcare-associated infections (HAIs).¹

The Ecolab® OR Program is a complete offering that helps you monitor and standardize processes to drive measurable improvements in clinical, operational and financial metrics. This program helps drive and sustain OR turnover efficiency while also improving cleaning thoroughness, being Joint Commission audit-ready and protecting margins for your hospital. Over 2,000 operating rooms across the country rely on the Ecolab OR Program, with over 400,000 high-touch objects tested in the OR each year.

Program Benefits

- Faster OR Turnover Time
- Reduce Risk & Financial Impact of HAIs
- Improve Cleaning Results
- Enhance Operational Efficiencies
- Process Standardization & Consistency
- Ensure AORN Compliance

¹ Data available in OR Program Peer-Reviewed Studies document
### Foundational Program Components

#### INNOVATIVE PRODUCTS

**Advanced chemistry and technology to create cleaner and safer environments**

- Patented DAZO® Fluorescent Marking Gel and Flashlight for quick, objective measurement of cleaning thoroughness
- OxyCide™ Daily Disinfectant Cleaner enables proactive intervention against *C. diff* and other HAIs
- Custom Surgical Turnover Kits conveniently packaged for your hospital and procedures to improve OR efficiencies
- Disposable microfiber cloths and mops to ensure clean products for every room

#### ANALYTICS & ACTIONABLE INSIGHTS

**Digital dashboards gather millions of data points to drive standardization, measure compliance and pinpoint where corrective action is needed**

- App-enabled Observational Survey Tool for immediate qualitative evaluation of cleaning processes
- Customizable dashboards provide actionable insights at the system, hospital, unit, individual and even object level
- Real-time tracking on average time saved per OR turnover and AORN process adherence

#### CONSULTATION & SERVICE

**On-site Ecolab experts deploy solutions, monitor progress and analyze performance metrics**

- A dedicated local account executive to assist with hospital implementation and support
- Baseline audit and consultation to evaluate current practices and identify areas for improvement
- Proactive dispenser and product service ensure equipment is operating properly

#### TRAINING & PROCESS SUPPORT

**Professional training for your staff to drive standardization, manage corrective actions and assist with change management**

- Ongoing, in-person CE training aligned to industry best practices (AORN seal of recognition) ensures program success
- In-person manager training for digital dashboard and data analytics reporting
- Standardized cleaning flow charts and Lean Six Sigma process efficiency, simplification and standardization
Customizable, clinician-friendly dashboards collect data on OR turnover time and high-touch object cleaning, measure compliance and pinpoint precisely where corrective action is needed, down to a department, team or individual level. These actionable insights allow department managers, clinicians, EVS staff and other authorized users to lead process improvements where they are needed most, standardize workflows and keep patients safe.

**Actionable Insights & Digital Dashboards**

**ADMINISTRATIVE OVERVIEW**

**Facility Performance:** Identify hospitals that have opportunities to improve cleaning, reduce turnover time or better comply with guidelines

**Cleanliness Trends:** Point-in-time system performance through DAZO® monitoring

**Room Cleanliness:** System-level summary of cleaning thoroughness
SYSTEM LEVEL - HEAT MAP

Facility Performance Heat Map:
System-level cleaning performance over time with ability to drill down into specific hospital detail.

FACILITY LEVEL - DETAIL

Results by Area:
Ability to drill into specific areas, units, technician or object levels.

Object Heat Map:
Focused improvement for specific objects.
Case Studies

**CASE STUDY 1**

180-bed hospital | 19 ORs | 13,000 surgeries per year | Huntsville, AL

**HOSPITAL CHALLENGES**

- High-touch objects not consistently cleaned for between-case or terminal cleaning
- Difficulty knowing when a room had been cleaned
- No standardized process for room turnover
- Bleach disinfectant required a 10-minute contact time and damaged equipment, requiring replacement of OR table mattresses

**ECOLAB SOLUTIONS**

- Worked side-by-side with hospital staff to facilitate process improvements and create a thorough, standardized room turnover protocol
- Provided on-site best practices training on between-case and terminal cleaning for all staff

*Introduced new environmental hygiene products & tools*
- DAZO® Environmental Monitoring tools for real-time and direct environmental hygiene monitoring and thoroughness of cleaning reporting
- OxyCide™ Daily Disinfectant Cleaner with 5-minute contact time to address efficacy and material compatibility concerns

**OUTCOMES**

**Between-Case High-Touch Objects Cleaning Improved 3x**

- Baseline: 28%
- 2 months post-implementation: 95%
- 6 months post-implementation: 97%

**Terminal Case High-Touch Objects Cleaning Improved 3x**

- Baseline: 28%
- 2 months post-implementation: 70%
- 6 months post-implementation: 86%

**OR Turnover Time Decreased by an Average of 5 Minutes**

- Baseline: 14
- 2 months post-implementation: 9
- 6 months post-implementation: 9

Achieved $15,000 in annual savings on OR mattress damage replacement costs

**FACILITY POTENTIAL SAVINGS PER 1,000 PROCEDURES**

$230,000 + 83 Hours

HOSPITAL CHALLENGES

High-touch objects cleaned just 20% of time for between-case turnover

Between-case process and turnover times inconsistent and high cost

No method for determining thoroughness of cleaning

Poor communication, low job morale and high staff turnover among OR aides

ECOLAB SOLUTIONS

Standardized the cleaning process across OR teams to address cleaning thoroughness and efficiency concerns

Provided on-site best practices training on between-case and terminal cleaning for all staff

Introduced new environmental hygiene products & tools

DAZO® Environmental Monitoring tools for real-time and direct environmental hygiene monitoring and thoroughness of cleaning reporting

Surgical room turnover kits with disposable linens, microfiber cloths and mops to increase room turnover efficiency and cleaning effectiveness

Point-of-use cleaning carts and tools to streamline the cleaning process and ensure compliance with best practices

OUTCOMES

Between-Case High-Touch Objects

Cleaning Improved by 66%

Achieved $800 Cost Savings/Room

OR Turnover Time Decreased by an Average of 21 Minutes

Staff retention increased to 86%-100%, and absenteeism has decreased

FACILITY POTENTIAL SAVINGS PER 1,000 PROCEDURES

$800,000 + 167 Hours

Kramer M and Kriznik S. The impact of an OR environmental hygiene program on OR culture and cleanliness. OR Manager Conference; Las Vegas, NV; Oct. 21-23, 2016.
Program Outcomes Guaranteed

Our programmatic approach optimizes workflows across multiple touchpoints within hospitals by backing up results and partnering to guarantee improved outcomes. Our commitment to measurable results allows us to ensure sustained savings and strong return on investment.

Learn more about the Ecolab Program Guarantees for turnover time reduction and high-touch object cleaning improvements by speaking with your Ecolab account executive.

Ecolab Guarantee

Improve Turnover Time

Improve High-Touch Object Cleaning

ABOUT ECOLAB HEALTHCARE

Ecolab Healthcare is driven to help health systems and hospitals realize clinical, operational and financial value through repeatable and measurable workflows. Our standardized processes and digital dashboards provide actionable insights and opportunities for corrective actions that help reduce the costs and inefficiencies of infections, while improving margins and keeping patients and staff safe.

To learn how our analytics-driven solutions and standardized processes can help your organization, visit www.ecolab.com/healthcare