



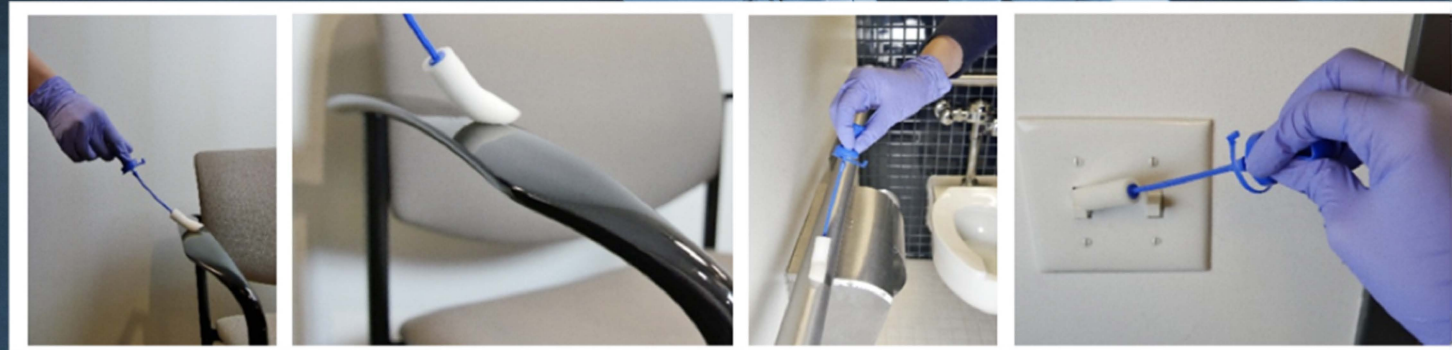
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# Infection Prevention System

for reducing Healthcare Acquired Infections



Rapid Culturing Program for  
Process and Compliance  
Validation



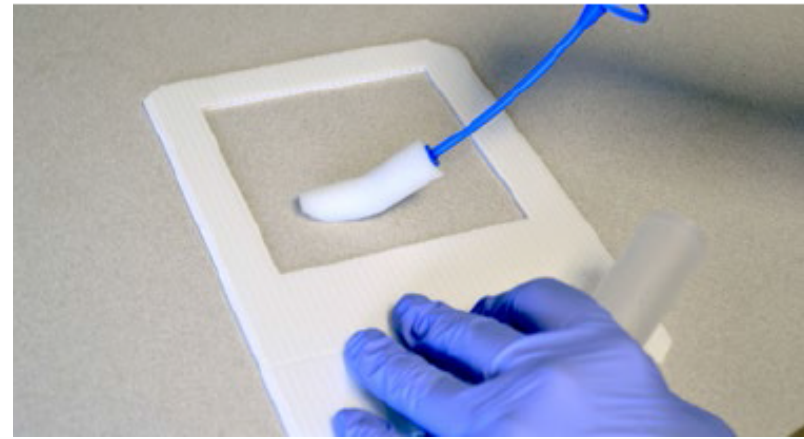


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## Rapid Environmental Culturing Program

### Evidence Based Quality Assurance

Microbiological sampling is the most effective measurable auditing method available for quality assurance and reducing hospital associated infections. EarthSafe in partnership with NSF International now provides a national, economical and timely solution that provides due diligence, compliance and trusted third party validation. Facilities and service providers can now raise the bar for cleaning and disinfecting performance using evidence-based science to prove that their current processes and practices are meeting standards.



# Customizable Measurable Auditing Tiers

	Qualitative Analysis	Semi-Quantitative Analysis	Quantitative Analysis
	<b>FLEX SWABBING</b> Provides overall assessment of efficacy. Allows swabbing of larger surface area. Cover more area with one swab (no template). Recommend minimum of 3 swabs per area verified.		<b>DEFINED SWABBING</b> Identifies targeted pass/fail areas. Based on a 100 cm <sup>2</sup> template area. Recommend minimum of 5 swabs per area verified
Identifies the presence / absence of aerobic bacteria	yes	yes	yes
Quantifies the number of all aerobic bacteria	no	all aerobic bacteria, CFU/surface or fomite	all aerobic bacteria, CFU/cm <sup>2</sup>
Quantifies specific pathogens of interest only (MRSA, <i>C. difficile</i> , <i>E. coli</i> , more)	no	Yes**	Yes**
Option to identify and confirm Genus species of recovered bacteria (MALDI TOF)	no	Yes**	Yes**
Sample collection training	yes	yes	yes
Immediate, quarterly and annual reporting with analytics	basic analytics	advanced analytics	advanced analytics

## Simple Process

### Step 1: Project Start

EarthSafe provides a custom proposal for services, designed to meet the needs of your team with detailed training in proper environmental sampling.

### Step 2: Perform Microbial Swabbing

EarthSafe will ship to you all of the materials needed to collect and track your environmental samples. Following training provided by EarthSafe, environmental areas are swabbed, and samples shipped out to NSF labs for processing.

### Step 3: Swab Analysis

The NSF ISO/IEC 17025-accredited laboratories have rigorous quality control systems in place to confirm the integrity of received samples and ensure high-quality analysis and reporting of your samples.

### Step 4: Third-Party Results

A final test-only report is provided; tailored to your measurement needs with results ranging the spectrum from presence/absence to organism ID.



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## Environmental Monitoring Process



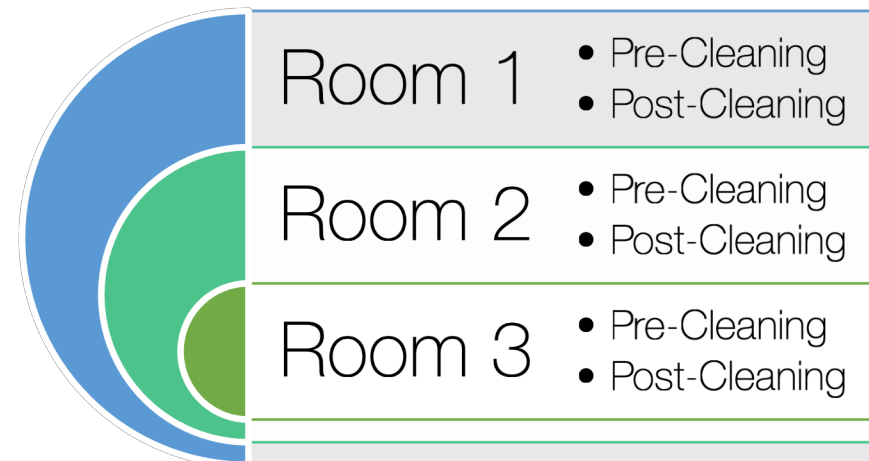
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To validate the Evaclean Program, eighteen (18) total samples are collected from three (3) different rooms. The same surfaces are sampled from each room. The surfaces should be high touch areas such as bedside table, bedrail, toilet or nurses call button.

Three (3) samples are taken from each room and surface PRIOR to cleaning the room. Three (3) samples are subsequently taken after the room is cleaned and disinfected and dwell time has been achieved. Pre-cleaning samples are analyzed only for Aerobic Colony Counts (ACC). Post-cleaning samples of the same surfaces are analyzed for ACC plus Genus/Species Identification.

# 3

## Samples per Room





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## Environmental Monitoring Process Frequency



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Monitoring includes collecting post-cleaning samples from the same surfaces used for validation (from select rooms) on a routine basis.

Larger facilities should collect samples at least monthly on a rotation basis in order to monitor those key high-risk areas and obtain quarterly data. This allows facilities to discern trend analysis and turn data into actions; i.e. establish corrective actions if necessary or expand program outside of monitored areas.

Quantitative Analysis sampling, which identifies and quantifies the presence of aerobic bacteria, is recommended for continued monitoring.



- ❖ Routine monitoring of disinfection processes
- ❖ Due diligence and compliance
- ❖ 3<sup>rd</sup> party validation for reporting
- ❖ Data analytics and statistical trends analysis.

## How can I use Evaclean environmental monitoring?

- Monitor environmental contamination levels
- Monitor/validate cleaning processes
- Validate products or technology efficacy claims
- Detection of specific food or clinical pathogens
  - C. difficile
  - S. aureus/MRSA
  - Enterococcus/VRE
  - E. coli/CRE
  - More!
- Field Studies