AEROBIOTIX®

AORN Guideline Changes

As of **April 18, 2024**, the Association of periOperative Registered Nurses (AORN) updated its Guideline for Sterile Technique, placing increased emphasis on air quality management in surgical environments. These changes encourage healthcare providers to adopt advanced technologies and protocols that ensure cleaner air during surgeries while also providing ongoing monitoring to maintain high safety standards.

The guideline specifically addresses air quality in operating rooms and other sterile areas, introducing several key recommendations for healthcare facilities:

Recommendation 9.4

The healthcare organization should implement strategies to reduce the risk of airborne environmental contamination in rooms where surgical or other invasive procedures are performed.

Recommendation 9.5

A perioperative air quality management program may be used as a strategy to reduce the risk of airborne environmental contamination in rooms where operative and other invasive procedures are performed.

Recommendation 9.5.2

This recommendation includes elements that may be included in a perioperative air quality management program, such as incorporating a supplemental air cleaning device.

Recommendation 9.5.3

When a Surgical Site Infection (SSI) is identified, SSI surveillance may include a review of the air quality sampling data from the OR where the procedure was performed and the recorded or observed equipment, environment, and personnel factors.

Adapted from the AORN 2024 Sterile Technique Guideline, electronically accessed from www.aornguidelines.org on April 18, 2024

Exceed the New AORN Guidelines

WITH ILLUVIA® Sense

Illuvia Sense complies with strict regulatory standards that exceed the new AORN Guidelines. With *Illuvia Sense*, Aerobiotix helps your healthcare facility enhance its infection control protocols for optimal air quality in operating rooms in the following ways:

Significant Reduction of Airborne Contaminants

Illuvia Sense is proven to reduce airborne bacteria, viruses, and spores by up to **99.9%**, effectively minimizing the risk of SSIs to help bring your healthcare organization up to date with **Recommendation 9.4**.

Seamless Integration

Illuvia Sense operates autonomously without disrupting existing workflows, allowing surgical teams to focus on patient care. The system integrates easily into current hospital infrastructures, offering a **cost-effective** and user-friendly solution for providing HVAC performance data and supplemental air cleaning in accordance with **Recommendation 9.5.2**.

Real-Time Environmental Monitoring

Equipped with smart sensing technology, *Illuvia Sense* continuously monitors air quality, providing actionable data to support compliance with the AORN's air quality standards. This proactive approach ensures that operating rooms maintain air quality levels that meet regulatory requirements and support **Recommendation 9.5**.

Data Collection for SSI Surveillance and Data-Driven Protection

In line with **Recommendation 9.5.3**, *Illuvia Sense* provides comprehensive air quality data that can be used during SSI surveillance, ensuring that all air quality metrics are reviewed when investigating infection sources.

Evidence-Based Compliance

Illuvia Sense aligns with national and international air quality standards, including AORN, ASHRAE 170, and local regulations, making it a critical tool in any facility's air management program.

Reduce SSI Risks, Improve Surgical Safety, and Streamline Your Air Quality Management Program

SCAN TO REQUEST A FREE IN-FACILITY TRIAL

Learn more at aerobiotix.com or by emailing info@aerobiotix.com

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