

Environmental Infection Control in Hospitals

Air & surface control for clinical settings

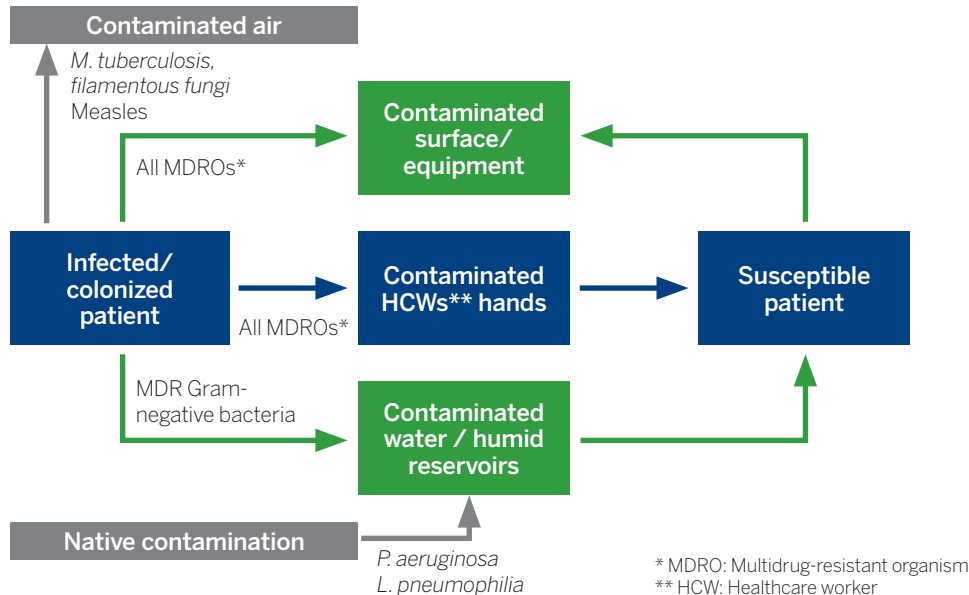




Infection control to prevent and mitigate Healthcare-Associated Infections (HAI) is an important part of AntiMicrobial Stewardship (AMS) **to protect patients** and curb the rise of **resistant organisms**. Infection transmission routes often involve the environment. Hygiene and cleaning precautions are critical, along with environmental controls to assure their efficacy.

Routes of transmission of healthcare-associated pathogens

Adapted from Otter JA, et al. Infect. Control Hosp. Epidemiol. 2011;32(7):687-699



ENVIRONMENTAL CONTROL DIAGNOSTIC

bioMérieux brings you environmental control diagnostic solutions for **air, surface** and **water** monitoring.

This includes environmental, hemodialysis and endoscope disinfection control, as well as *Legionella* detection.

Widely used in industry – particularly for sterility controls in the pharmaceutical industry – **these solutions are also ideal for the clinical environment.**

SURVEILLANCE

- Regularly monitor to ensure the quality and efficacy of decontamination practices
- Support specific studies that help inform and improve infection control best practices

VALIDATION/CERTIFICATION

- Ensure certification with environmental validation for new operating rooms
- Validate equipment such as biosafety cabinets

OUTBREAK INVESTIGATION

- Investigate during epidemics potentially linked to environmental sources
- Implement containment measures

Air & Surface Infection Control for Clinical Settings

AIR IDEAL® 3P®

Aerobiocollector Air Control device

- **Detect** viable organisms through air sampling:
 - Simple, validated air circuit decontamination procedure
 - Meet regulatory standards
- **Evaluate** risk level and global hygiene conditions
 - Current level and standard of hygiene and controls
 - Select critical areas to establish reference and alert levels
- **Ease of use**
 - Smooth surface for easy decontamination
 - Light (1.2 kg) and easy for anyone to operate



COUNT-TACT® applicator

Applicator for easy, standardized application of COUNT-TACT® agar

- **Check** critical control points in protected areas to establish or revise microbiological surface monitoring
- **Standardize** contact surface sampling
 - Time and pressure of exposure
- **Remove** variability between technicians



BI-BOX™

Sterile plate transportation box

- Securely transport up to 10 plates
- Reduce secondary contamination risk during transport and incubation



Culture media for environmental monitoring

Irradiated media for use in protected areas including biosafety cabinets and operating rooms

- Manage storage and inventory with maximum convenience
 - Flexible storage between 2 - 25°C
 - Long shelf-life
- Save time and reduce risks with unique LOCKSURE® (90 mm) closure system
 - Secure samples during critical transport and incubation steps
 - Quick and intuitive with single locking position
 - Ensures ideal incubation conditions
 - No need for additional parafilm or adhesive tape wrapping of plates



A BROAD ENVIRONMENTAL INFECTION CONTROL OFFER TO MEET YOUR NEEDS

AIR IDEAL® 3P®

| | |
|---------------------------------|-------------|
| AIR IDEAL® 3P® | Ref. 423154 |
| 90 MM additional sampling grids | Ref. 96309 |
| Aluminum tripod | Ref. 96308 |

COUNT-TACT® applicator

| | |
|------------------------|-------------|
| COUNT-TACT® applicator | Ref. 421895 |
|------------------------|-------------|

BI-BOX™

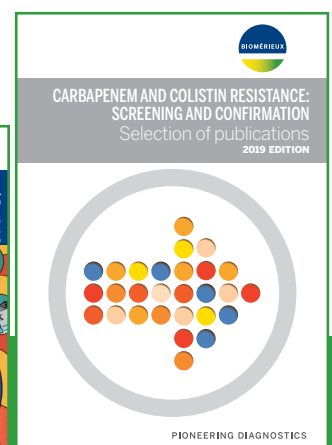
| | |
|---------|---|
| BI-BOX™ | Ref. 96301: 1 x 10 sterile - BI-BOX™ for plates 55 MM |
| BI-BOX™ | Ref. 96311: 1 x 10 sterile - BI-BOX™ for plates 90 MM |

Culture Media

| | |
|---|---------------------------------------|
| Irradiated Trypcase Soy Agar 3P® | Ref. 43711/43169: 20/100 plates 90 MM |
| Irradiated Trypcase Soy Agar 3P® with Neutralizers | Ref. 43811/43819: 20/100 plates 90 MM |
| Irradiated Sabouraud Dextrose Agar 3P® | Ref. 43814: 20 plates 90 MM |
| COUNT-TACT® Agar | Ref. 43501: 20 plates 55 MM |
| COUNT-TACT® Sabouraud Glucose Chloramphenicol Neutralizers Agar | Ref. 43580: 20 plates 55 MM |
| Irradiated COUNT-TACT® Sabouraud Glucose 3P® with Neutralizers | Ref. 43812: 20 plates 55 MM |
| GVPC Detection in clinical samples as well | Ref. 43031/43032: 20/100 plates 90 MM |
| BCYE with L. cystein | Ref. 422231: 20 plates 90 MM |
| BCYE without L. cystein | Ref. 422230: 20 plates 90 MM |
| R2A | Ref. 43551: 20 plates 90 MM |

ENVIRONMENTAL INFECTION CONTROL IS EVERYBODY'S BUSINESS

Get clinicians and healthcare teams involved with promoting infection control best practices to help prevent and mitigate healthcare-associated infections and support antimicrobial stewardship. Share these informational booklets:



Download booklets at biomerieux-diagnostics.com/clinician-booklets or ask your bioMérieux representative.