

Environmental Study Results for Air & Surface Analysis

Acute Care Hospital, Tennessee

June 10-11, 2015

Evaluation Area

- Acute care biohazard room

Study Criteria

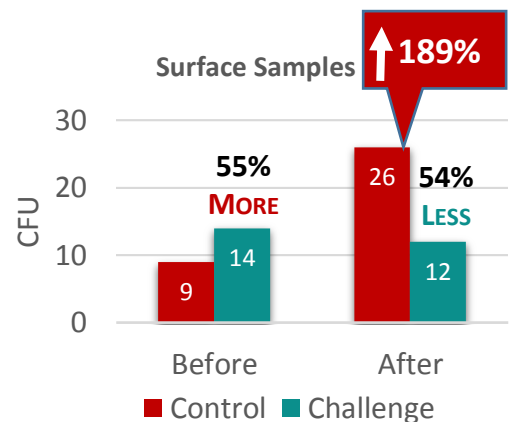
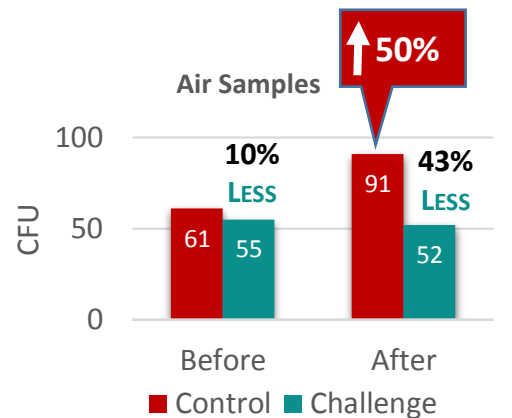
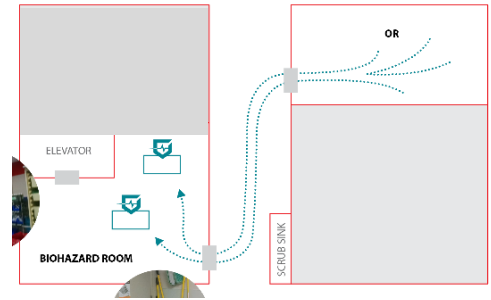
- 2 VidaShield units in biohazard room
- Before and after air & surface samples
- Lab analysis for total bacteria counts

Results of VidaShield Testing

- Two key factors impacted test results
 - Biohazard room was negative pressure to a 12k sq. ft. OR suite
 - OR Suite activity and occupancy was double for after vs before
- Relative change of challenge and control areas demonstrates effectiveness of VidaShield (i.e., relative changes of **33%** for air and **99%** for surfaces)
- Control area air sample CFUs were 50% greater as expected from the increased occupancy vs 5% less for Biohazard room
- Control area surface samples were 189% greater vs 15% less for Biohazard room

Challenge Area
Biohazard Room
~ 340 square feet

Control Area - OR
Suite with 10 ORs
~ 12,000 square feet



Conclusions:

The level of contamination in the rooms where the VidaShield were installed were lower on average than the corridors, break rooms and other employee areas.