VIDASHIELD UV24

ENVIRONMENTAL STUDY RESULTS

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

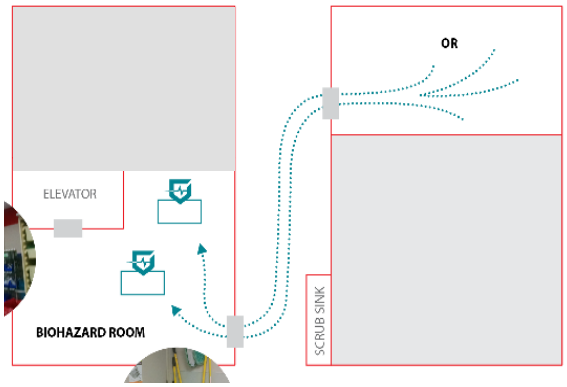
Results of VidaShield Testing

Two key factors impacted test results

1 Biohazard room was negative pressure to a 12K sq. ft.

2 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 **39%** greater as expected from the increased occupancy vs **6%** less for Biohazard room
- Control area surface samples were **189%** greater vs **15%** less for Biohazard room

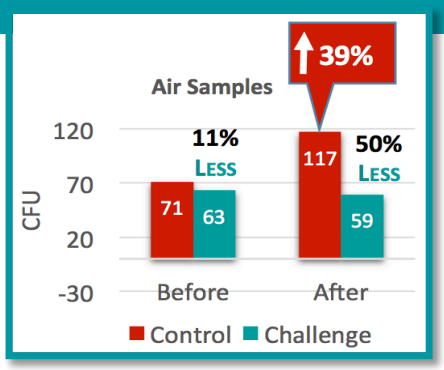


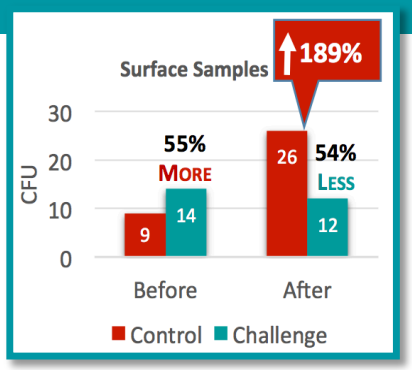
Challenge Area Biohazard Room
~ 340 square feet

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.





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*Air sampling data calculated using correction hole factor

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