

MFA Clinical Efficiency Test

- (1) All cultures were obtained using a Standard culture aerobic culture swab, the swab was then placed into the medium commercially provided in the transport component of the culture. Following routine cleaning and disinfecting of surfaced a wide swath was swabbed for each surfaced cultured, the swab was immediately placed in the transport medium, an environmental requisition was completed, the specimen was maintained at room temperature until picked-up by the transport lab personnel.
- (2) Training of selected employees was conducted a week prior to the implementation.
 - A. Housekeeping Manager
 - B. Housekeeper, ICN
 - C. Corporate Maintenance Director
 - D. Corporate VP of Purchasing, Corporate
 - E. VP of Physical Plant and Environmental Services
 - F. Corporate Clinical Education Specialist
- (3) The training was conducted by vendor representatives.
 - A. Gary Krupa with Destroy Bacteria Technologies
 - B. Dr. Gretchen Pettis
- (4) The trial was stopped at day 30 due to a reduction of organisms on surfaces cultured in the environment as compared with the use of our usual Virex 256 that was applied using microfiber cloths or mops.
- (5) Control rooms were identified meaning that the routine method of cleaning and disinfection continued throughout the 30-day study, environmental cultures were obtained from surfaces in the Control rooms and compared against rooms cleaned and disinfected with STERIPLEX using ESS technology and wipes.
 - A. One housekeeper was utilized to clean and disinfect all rooms identified for the study to decrease user error in terms of methods used during the environmental cleaning and disinfection.
 - B. Validation of correct technique was accomplished through direct observation of the Housekeeping Manager.
 - C. Culture swabs were obtained by myself and the Center's Infection Control Nurse (ICN) the day prior to implementation of the study.
 - D. The ICN was trained how to obtain the cultures by me prior to actually obtaining environmental cultures.
 - E. All subsequent cultures were obtained by the ICN,...the housekeeper would notify the ICN when the room was cleaned by walkie talkie and then within 30 minutes the ICN would go in and obtain cultures as described above.
 - F. The ICN noted that she was not always able to get into the room within 30 minutes. Used microfiber floor products for the floors and cloths for high touch surfaces in the Control rooms and Vital Oxide via ESS and wipes in Study comparison rooms.
- (6) A protocol was implemented whereby ESS technology was used to apply the disinfectant in the study rooms following cleaning on Day 1. Subsequently, rooms were cleaned /disinfected using the commercially prepared Vital Oxide Solution into Kimberly Clark Wet Task Bucket wipes on days ESS was not used (4/7) days. ESS technology was used 3/7 days. Cleaning of organic material when present was accomplished with Vital Oxide Solution into Kimberly Clark Wet Task Bucket wipes prior to spraying the study room.