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Scientific & Regulatory
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Micro-Scientific

THE BIOMEDICAL SKILLS LABORATORY | MANAGEMENT SYMPOSIUM

Cleaning & Disinfection for Wet Lab Training Facilities

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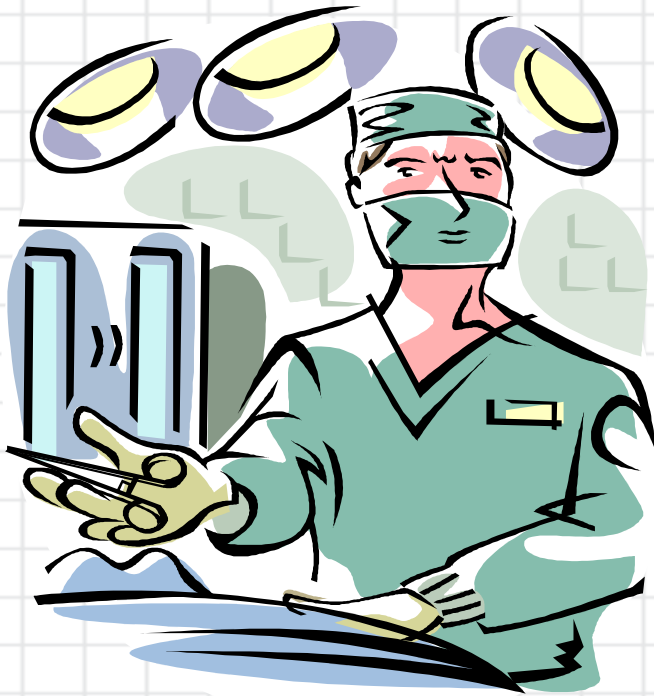
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Purpose:

Prevent Cross Contamination



- Patient → patient
- Patient → staff
- Staff → staff
- Staff → family & friends

Compliance, Regulatory & Advisory Organizations

- Food and Drug Administration (FDA)
- US Environmental Protection Agency (EPA)
- State Pesticide Registration Agencies
- Centers for Medicare Services (CMS)
- Local Health Agencies
- CDC
- OSHA
- Local Health Agencies

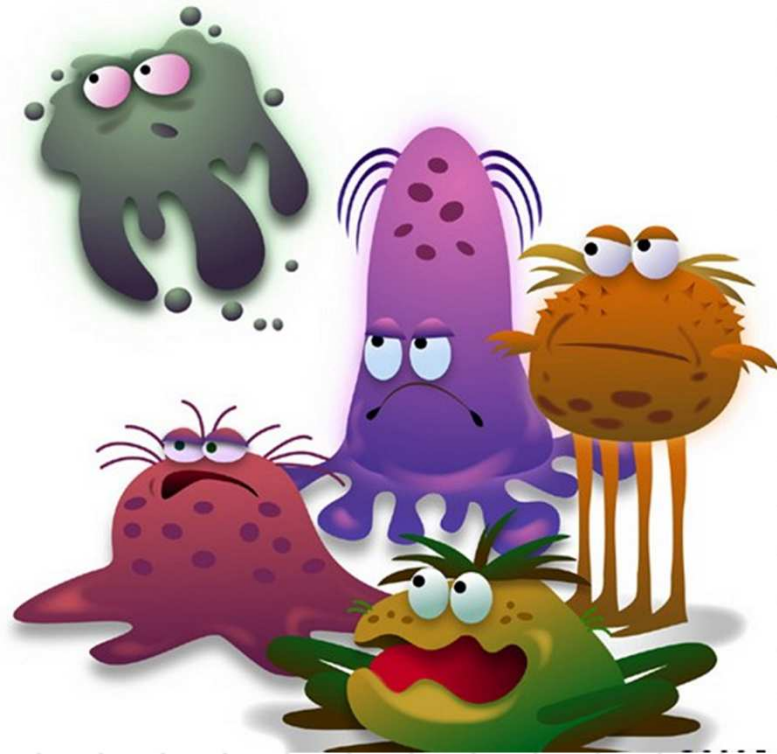
Relevant Definitions

- Personal Protection Equipment
- Bioburden
- Contaminated
- Clean
- Sterilization
- Disinfection
- Decontamination



Responsible Microorganisms “Critters”

- Bacteria
- Fungi
- Viruses
- Prions



Modes of Transmission

Direct Transmission

- Intimate contact
- Casual contact

In-direct Transmission

- Vector (insects, rodents, etc.)
- Airborne (airborne particulates, mists)
- Fomite (instruments, surfaces)

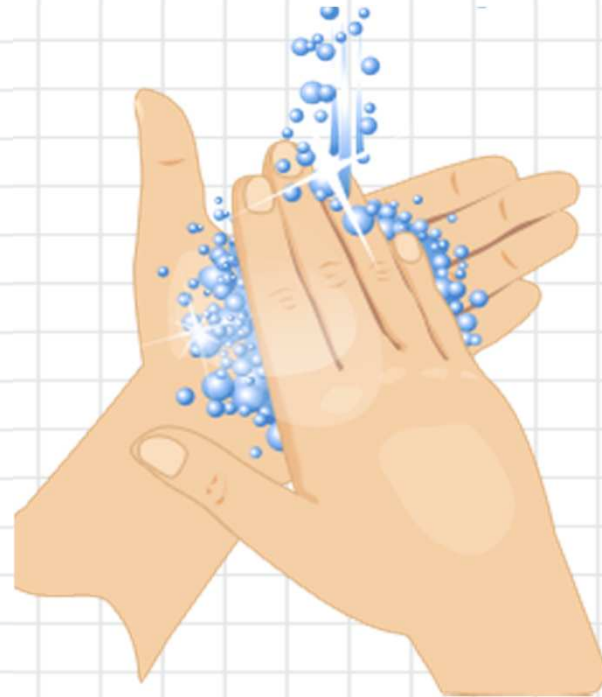
Personal Protective Equipment (PPE)

- Gowns
- Gloves
- Mask (Eye / Respiratory)
- Apron
- Shoe Covers



Hand & Skin Hygiene

- Skin Cleansers (Healthcare-Level)
- Skin Sanitizers
- Gloves / Gowns



Wet Lab Instrument / Device Reprocessing

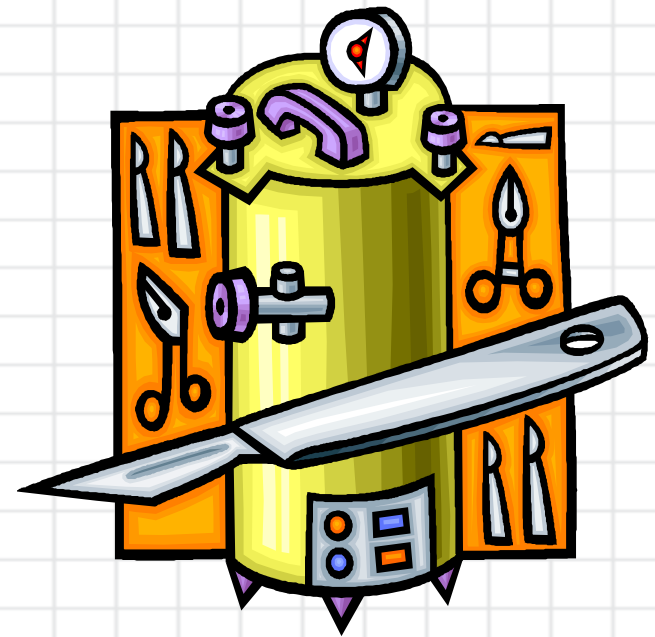
Intended to protect the user from exposure

Removal of bio-burden

- Pre-treat with a gel
- Soaking (Preferably an enzymatic in warm water)
- Terminal Cleaning (Detergent Scrub / Rinse / Dry)
(Automatic, ultrasonic, manual technique)

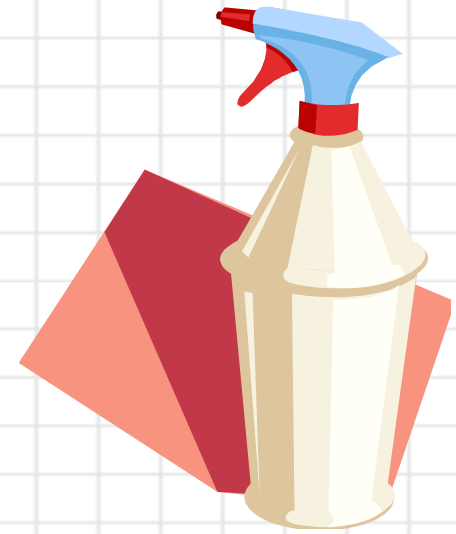
Decontamination Procedure

- Sterilization
(Steam/Lubrication)
- Intermediate
Disinfection Process



Wet Lab Surface Cleaning & Disinfection

- Use an Intermediate–level (Tuberculocidal) Cleaner Disinfectant for touch surfaces
- Floors should be cleaned (disinfection not necessary except for blood spills)
- Bleach is a poor choice
- Follow label instructions



Surface Cleaning & Disinfection: The 3 Step Process

1. Apply to target surface and wipe clean.
2. Reapply and allow to remain visibly wet for appropriate time.
3. *Wipe surface with dry towel or cloth to remove residual chemical and dead “critters”.

**Best practices*

Questions

