

# Biosafety at MUSC

## ■ *Unit 5*

### ◆ *Biohazardous Spills*



# *Biohazardous Spills*

- **Outside the Biosafety cabinet**
  - ◆ **Clear area of all personnel.**
  - ◆ **Wait at least 15 minutes for aerosol to settle before entering spill area.**
  - ◆ **Remove any contaminated clothing and place in biohazard bag to be autoclaved.**
  - ◆ **Put on a disposable gown, safety glasses and gloves.**

# *Biohazardous Spills*

## ■ Outside the Biosafety cabinet

### ◆ Initiate cleanup with disinfectant as follows:

1. Place dry paper towel on spill (to absorb liquids); then layer a second set of disinfectant soaked paper towels over the spill.
2. Encircle the spill with additional disinfectant being careful to minimize aerosolization while assuring adequate contact.
3. Decontaminate all items within spill the area.
4. Allow minimum of 15 minutes contact time to ensure germicidal action of disinfectant.
5. Wipe equipment with appropriate disinfectant.
6. Discard contaminated disposable materials using appropriate biohazardous waste disposal procedures (e.g., autoclave or BFI).
7. Disinfect reusable items.

# *Biohazardous Spills*

- **Inside the Biosafety Cabinet (BSC)**
  - ◆ **Wait at least five minutes to allow the BSC to contain aerosols.**
  - ◆ **Wear lab coat, safety glasses and gloves during cleanup.**
  - ◆ **Allow cabinet to run during cleanup.**
  - ◆ **Apply disinfectant and allow a minimum of 15 minutes contact time.**
  - ◆ **Wipe up spillage with disposable disinfectant-soaked paper towel.**
  - ◆ **Place used cleanup items in the appropriate biohazard waste container**

# *Biohazardous Spills*

## ■ Inside the Biosafety Cabinet (BSC)

- ◆ Wipe the walls, work surface and any equipment in the cabinet with a disinfectant-soaked paper towel.
- ◆ Discard contaminated disposable materials using appropriate biohazardous waste disposal procedures (e.g., autoclave or BFI).
- ◆ Place contaminated reusable items in biohazard bags, autoclavable pans with lids or wrap in newspaper before autoclaving and cleanup.
- ◆ Expose non-autoclavable materials to disinfectant (15 minute contact time) before removal from the BSC.

# *Biohazardous Spills*

- **Inside the Biosafety Cabinet (BSC)**
  - ◆ **Remove protective clothing used during cleanup and place in a biohazard bag for autoclaving.**
  - ◆ **Run cabinet 10 minutes after cleanup before resuming work or turning cabinet off.**

# *Biohazardous Spills*

## ■ Inside a Centrifuge

- ◆ Clear area of all personnel.
- ◆ Wait 30 minutes for aerosol to settle before attempting to clean up spill.
- ◆ Wear a lab coat, safety glasses and gloves during cleanup.
- ◆ Remove rotors and buckets to nearest biological safety cabinet for cleanup.
- ◆ Thoroughly disinfect inside of centrifuge.
- ◆ Discard contaminated disposable materials using appropriate biohazardous waste disposal procedures (e.g., autoclave or BFI).

# Biosafety at MUSC

- *Questions Unit 5*
  - ◆ *Biohazardous Spills*

