Micro-Isolator Technique

Micro-Isolator Technique

Initial Preparation

Turn on workstation hood fan and light

Allow to run for several minutes (about 4-5 at least)

Do Not Disable The Alarm

Micro-Isolator Technique

Make sure that the sash is at the correct working height

Sash is Set Too High

Micro-Isolator Technique

Make sure that the sash is at the correct working height

Correct Height

Micro-Isolator Technique

Laminar Airflow WorkStation

Micro-Isolator Technique

Protective Clothing

Laboratory Coat

Disposable Gown

Sleeves

Gloves

Micro-Isolator Technique

Protective Clothing

Make sure that your gloves overlap the sleeves

Take care not to expose <u>any</u> skin

Micro-Isolator Technique

Disinfectants

MB-10

- Chlorine dioxide High level disinfectant
- Tuberculocidal
- Bactericidal
- Virucidal (MHV, Sendai, PVM, LCMV, etc.)
- Fungicidal

Micro-Isolator Technique

Disinfectants

- Alternate disinfectants such as Clidox® (not currently used In DLAR)
  - High level disinfectant
    - ❑ Tuberculocidal
    - ❑ Bactericidal
    - ❑ Virucidal (MHV, Sendai, PVM, LCMV, etc.)
    - ❑ Fungicidal
  - Contact time is important

Micro-Isolator Technique

Disinfection/Cleaning

- Spray the work surface of the hood with disinfectant
- Wipe any debris from the work surface

Micro-Isolator Technique

Disinfection/Cleaning

- Spray and wipe down the internal sides of the hood
- **DO NOT** spray the HEPA filter area of hood

Micro-Isolator Technique

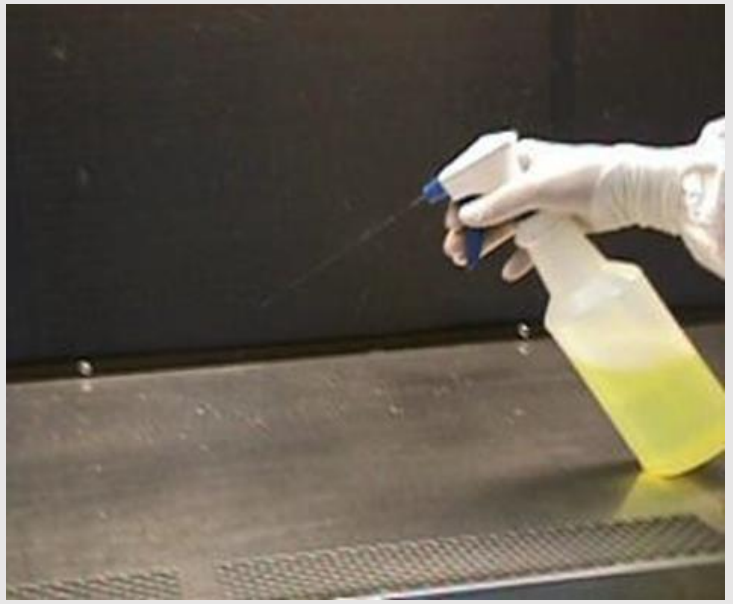
Disinfection/Cleaning

- Fill forceps tray with disinfectant from the spray bottle
- Spray sleeves, gloves, and forceps tray
- Rub hands together to distribute disinfectant

Micro-Isolator Technique

Disinfection/Cleaning

- The floor of the hood should be sprayed periodically to prevent contamination between filter tops



- Dip fingers and forceps (if used) in MB10 solution between different boxes of mice

Micro-Isolator Technique

Disinfection/Cleaning

It is important, especially when handling mice and equipment that may present a possible contamination that hands, work surfaces, caging, cage card holders, and instruments used for handling the mice, be kept continually wet with disinfectant, to help prevent the spread of possible contaminants such as fur mites

Micro-Isolator Technique

Preparing to Change Dirty Boxes

- Place all necessary items in the hood (i.e. clean boxes, water bottle baskets, food container)
- Spray the outsides and bottoms of all items in hood with disinfectant

Micro-Isolator Technique

Preparing to Change Dirty Boxes

- Place the micro-isolator in the hood
- Spray the outside of the box with disinfectant *this includes the clean box if you are changing dirty boxes*
- **Avoid spraying the cage card**

Micro-Isolator Technique

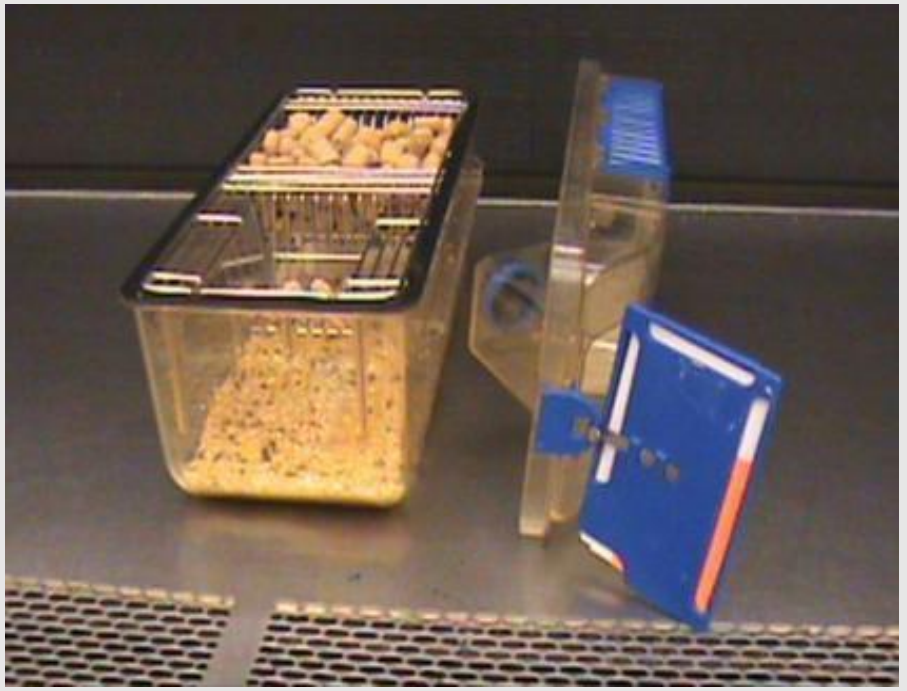
Handling the Micro-Isolator Cage

Remove filter top by tilting it to the left or right

Place filter top on floor of hood right side up

Micro-Isolator Technique

Handling the Micro-Isolator Cage



Acceptable alternative is to rest the lid against the back of the box or placed on its' side

Micro-Isolator Technique

Handling the Micro-Isolator Cage

Touching the outside of the micro-Isolator cage contaminates your gloves

- Dip gloves in forceps tray filled with disinfectant until completely wet. This should be done after handling each cage.
- Rub hands together
- If using forceps, remember to submerge them in disinfectant when not in use

Micro-Isolator Technique

Handling the Micro-Isolator Cage

- Turn water bottle upside down
- Turn wire bar lid sideways across the cage

Micro-Isolator Technique

Handling the Micro-Isolator Cage

Animal Manipulations

Perform procedures:

- Transfer Animals from dirty cage to clean cage
- Weaning/Separating
  - When weaning animals place several food pellets (8-10) on Cage Floor

Micro-Isolator Technique

Handling the Micro-Isolator Cage

Replace the wire bar lid

Turn water bottle so that sipper tube is pointed downward

Micro-Isolator Technique

Handling the Micro-Isolator Cage

Replace
Filter
Top

Micro-Isolator Technique

Handling the Micro-Isolator & IVC Cages

All Micro-Isolator caging and IVC caging regardless of style or manufacturer should be worked with under Laminar flow workbenches or Bio-Safety cabinets.

This cage handling procedure also applies to all of the IVC Rat caging as well.

Micro-Isolator Technique

Clean Up

Clean work surface of hood with disinfectant and paper towels then wipe with clear water

Throw away used gloves and sleeves

For Assistance, Please Call

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QUESTIONS

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