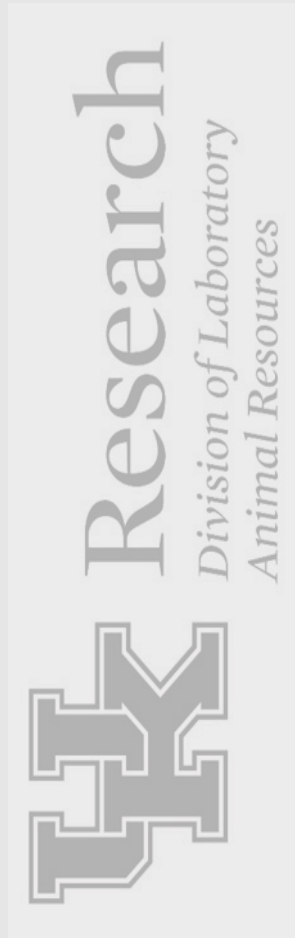


Micro-Isolator Technique



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



Sash
Too
High



Correct
Height

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 any 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, weaning, or transfer animals from dirty cage to clean cage.

When weaning animals, be sure to place several food pellets (8-10) on the floor of the cage.



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 includes All Static Micro- Isolators and All IVC caging including the large and small Tecniplast cages, the Red and Green lines and the Allentown IVC's (individually ventilated caging). 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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