

Class 2 Biosafety Cabinet Safemate 0.9eco

I. Objective

To provide protection to personnel and the surrounding environment from pathogens and biological agents.

II. Comments and Recommendations

- Users should read and understand the associated Risk Assessment prior to operation: 11563 General procedures with small laboratory animals, 3657 UQBR Handling and restraint of laboratory animals; 3940 Handling rats and mice (available on the [UQSafe](#) website)
- Equipment/software failures and animal escapes need to be reported to the animal facility manager immediately
- All incidents/injuries should be reported via [UQSafe](#) online
- Spills must be cleaned up immediately
- Use of this BSC involves mouse handling and appropriate care should be taken, refer to [LAB 006 Handling and restraint in mice and neonates](#), and [LAB 039 Handling and Restraint in Rats and Neonates](#)
- Wild type and genetically modified animals must be transported to equipment as per OGTR guidelines and [LAB 003 Transportation of Laboratory Rodents](#)
- The IPF is a shared space with unknown commensal microbial status. Once transported to a shared space it is often not possible, for biosecurity reasons, to return rodents to their original animal facility. Arrangements for transportation and ongoing care of experimental animals must be made with relevant animal facility managers when planning projects that aim to use a shared facility

III. Equipment

- Minimum Personal Protective Equipment (PPE) consists of gloves, gown, closed in shoes, eye protection and face mask. Additional PPE may be required based on added risk e.g., working with infectious animals (P2 fitted mask and viral gown)

IV. Preparation

- Check booking date/s and time/s on PPMS
- All animal arrivals/departures and euthanasia's must be recorded on the Mosaic movement sheet available in the animal facility

V. Procedure

Safe Operating Mode:

1. Turn the selector key to the 'I' position
2. Wait until the AUTO-TEST phase is complete

Do not press any buttons during this phase

3. Wait until the WARM-UP phase is complete

Sound and visual alarms will activate

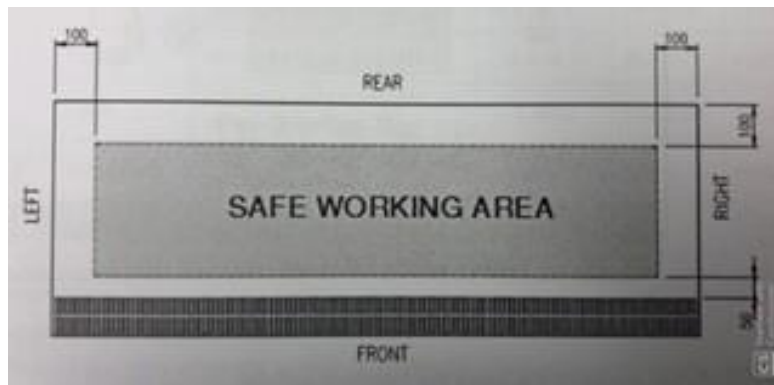
4. Respond to any error messages

Lower or raise window by using the up and down window buttons

5. Display will indicate safe operation

6. Do not block the grill at the front of the cabinet with equipment

7. The safe operating zone is within a 100mm margin of back and side walls and 50mm behind the back of the front grill



Unsafe Operating Mode:

Provides NO Protection and is not operating as a BSC

1. Turn the selector key to the 'I' position
2. Wait until the AUTO-TEST phase is complete
3. Press the mode key within 10 sec following the AUTO-TEST phase
4. Display will indicate unsafe
5. Only the light and window will operate

UV cycle:

1. Turn the selector key to the 'I' position
2. Wait until the AUTO-TEST phase is complete
3. Press the 'mode' key within 10 sec following the AUTO-TEST phase
4. Display will indicate unsafe
5. Lower window using down arrow
6. Press UV light twice to give a 20min cycle
7. Press socket twice to start cycle

To abort UV cycle or turn cabinet off turn selector key to "0" position

Cleaning the BSC:

1. Spray surfaces with either 1-2% Virkon followed by 70% Ethanol, or 70% Ethanol
2. Use tool to lift and remove tray and grill
3. Remove any debris and place in a clinical waste bin, clean base with 70% Ethanol