

## **BARRIER SOUTH (BS)**

**SOP No:** MSAH #3

**Prepared by:** Kellie Franke

**Version:** C

**Authorised By:** Andrew Bartlett, Manager

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

### **1. Entering and Exiting the Barrier South (Specific Pathogen Containment Facility)**

- 1.1 This is a PC2 facility certified by the Gene Regulator. Certification No: 529/2002, Variation 1634/2004 - expires 13/10/07
- 1.2 All standard procedures for PC2 level containment, under chapter 2, Part 2 – Section 3 of the “Guidelines for Certification of PC2 Facilities / Physical Containment 2 Requirements – Version 2.2 August 2003” must be followed, as per signs posted on all doors. A copy of these guidelines is available on request from the Facility Manager.
- 1.3 All persons must adhere to the “Australian code of practice for the care and use of animals for scientific purposes – 7<sup>th</sup> Edition 2004”
- 1.4 Entry is via the Barrier South (BS) change room and airlock.
- 1.5 Entry can also be via Barrier North (BN) / autoclave room airlock.  
But once in BS there is **NO ENTRY** back into BN.
- 1.6 If it is necessary to return to BN side in the same day, **a full body shower will be required** (including washing hair), followed by the correct gowning procedure.
- 1.7 Exiting from the Specific Pathogen containment rooms 630S and 631S can only be done via the animal rooms and into the dirty corridor (636S).
- 1.8 Exiting for 628S, 629S and 632S can be done either via the same door as entering and back into the quarantine corridor (626S), or via the dirty corridor (636S).
- 1.9 Re entry into the BS is allowed, but only through the BS change room followed by the correct gowning procedure.

### **2. Gowning-up Procedure**

- 2.1 Street shoes are removed and placed in the pigeon holes located in the corridor near the change rooms, on either the Barrier South or Barrier North side.
- 2.2 Fill in “Barrier Entry” (Form MSAH#103) on bench prior to entering Barrier.
- 2.3 Upon entering the change room put on face mask and surgical cap, located on shelf.
- 2.4 Place on barrier shoes that have been designated for use in the BS facility.
- 2.5 Place on **two pairs** (if entering Pathogen rooms) or **one pair** (if entering 628S, 629S or 632S) of shoe covers and cross over the black line without putting feet on “dirty” side of floor
- 2.6 Wash and dry hands.
- 2.7 Place on a gown located in cupboard or Blue barrier suit if entering room 628S, 632S or 629
- 2.8 Place on **two pairs** (if entering pathogen rooms) or **one pair** (if entering 628S or 632S) of examination gloves located on shelves.
- 2.9 Enter BS facility through airlock. (If on Barrier North side enter the BS via the airlock through the autoclave room, but no return)

### 3. Traffic Flow

- 3.1 All rooms S632, S628, S629, S630 and S631 are accessible through the entrance doors in the 'Clean' Quarantine corridor (626S).
- 3.2 Exiting Specific Pathogen containment rooms **must** be done by proceeding through to the door on the far side of the room and into the 'dirty' corridor (636S). Entry to the 'Clean' Barrier South corridor once in the room is **strictly forbidden**.
- 3.3 Entry back into Specific Pathogen containment rooms from the 'dirty' corridor is also **forbidden**.
- 3.4 Exiting room S628, S629 and S632 can be done by the entrance door and into the 'clean' barrier south corridor. If empty cages need to be removed, it is then advised to remove them through the 'dirty' corridor (636S).
- 3.5 If you have animals in room S628, S629 or 632 **and** in pathogen rooms then you must enter and exit from these rooms first, into the clean barrier south corridor (626S) and then into your pathogen rooms. Entry back into S628, S632 and S629 is forbidden once a pathogen room has been entered.
- 3.6 If all rooms are to be entered then numerous re-entry and gowning procedures must be followed and rooms entered in the following order:

**Room 632 → 628 → 629 → 630 then 631**

### 4. Exiting the Barrier South

- 4.1 Remove empty cages, used water bottles, dead animals and disposables from room through the 'dirty' corridor (636S) .(If removed from "Pathogen rooms" make sure they are first sealed in bio-hazard bags)
- 4.2 Dispose of animal carcasses into yellow bin located in cold room
- 4.3 Place dirty cages and used bottles in the washup room (Cages and waste from "pathogen rooms" are to be placed on the left hand shelf near the autoclave)

*Via the Barrier South 'Dirty' Corridor (636S)*

- 4.4 Remove first pair of gloves and gown, when leaving room and step into the 'dirty' corridor (636S) to exit.
- 4.5 Place dirty cages etc. outside of door at end of 'dirty' corridor.
- 4.6 Dispose of gloves, mask and cap in the bag provided and remove first pair of covershoes when leaving this corridor.
- 4.7 Remove final pair of covershoes when you remove your barrier shoes near the entrance to the barrier. Covershoes are then to be thrown in the rubbish bin supplied.
- 4.8 Spray barrier shoes with 70% Cavicide, Enter change room and return shoes to storage shelf.
- 4.9 Exit change room.
- 4.10 Place street shoes back on

*Via the Barrier South 'Clean' Corridor (626S) [Rm 632, 628 and 629 Only]*

- 4.11 Exit room 632, 628 or 629 through the entrance door, into the Clean barrier south corridor and via the change room.
- 4.12 Dispose of gloves, mask, gown etc in the bags provided *outside* the barrier change room. Blue Barrier suits are to be placed in the box outside the Barrier for autoclaving.
- 4.13 Spray barrier shoes with 70% Cavicide, Enter change room and return shoes to storage shelf.
- 4.14 Exit change room.
- 4.15 Place street shoes back on

### 5. Removal of Animals from the Barrier South

- 5.1 All animals can be removed from the facility but once removed, can not return

- 5.2 All animals should be transported within their animal cage and then placed into a sealed transport box prior to removal from the barrier.
- 5.3 All GMOs being transported out of the facility must be transported in accordance with “Guidelines for the Transport of GMOs” June 2001.
- 5.4 All GMOs must not be removed from the facility unless they are to be transported to a containment facility certified by the Regulator, to equivalent or higher containment level.
- 5.5 All users of approved GMOs (including exempt dealings) must sign out all animals removed from the facility on the sheet directly outside the barrier.
- 5.6 Animal carcasses (including animals infected with GM-micro-organisms or GM animals) must be removed in a sealed body bag and placed in the bio-hazard bin in the Cold room (S623) for incineration. Due to OGTR regulations the cold room door is to remain locked at all times. The key to the cold room is located on a hook above the sink in the washup room (Rm. 621).

## **6. Occupational Health, Safety and Welfare**

- 6.1 All staff and researchers are to adhere to safe work practices
- 6.2 All staff are required to have barrier shoes or there is no entry to the barrier
- 6.3 First Aid Kit is located just outside the clean barrier or Office Rm641S (First Aid officer is Faye Gardner ext 35340)
- 6.4 Any OH&S accidents or incidents are to be reported immediately to the Facility Manager (Kellie Franke) or First Aid Officer (Faye Gardner)
- 6.5 Do not use the emergency exit (stairwell) in Barrier North, through airlock 620a, unless other exits are blocked.
- 6.6 Attendance of an induction seminar is a prerequisite to use the facility

## **7. Researchers**

- 7.1 Researchers are required to clean their work site on completion. This includes disposal of waste, removal of used cages, removal of dead animals etc. and the spraying of 70% alcohol over the work site and wipe bench.
- 7.2 All animal cages are to be returned to their original location and are to have food and water.
- 7.3 All animal cages must be correctly labelled with name, date, animal species, strain, number and the animal ethics approval number.
- 7.4 If a researcher notices any cage which is low on food or water or an incorrectly fitted lid, they should notify Animal Services staff or rectify the situation themselves.
- 7.5 If any supplies (eg. paper towel) need replacing it would be appreciated if researchers could inform the Animal Services staff.
- 7.6 All empty cages from rooms 630 or 631 must be placed in Biohazard bags, sealed with autoclave tape and placed on the left hand shelf near the autoclave in the washroom. (Bedding is to be removed and lids and bases packed separately).

## **8. Animal Services Staff            re: Animal Husbandry**

- 8.1 All cages will be checked daily to ensure the adequate supply of food and water.
- 8.2 Cages will be changed once/week (usually Mondays or Tuesdays). More frequently if the need arises.
- 8.3 Water bottles will be changed over once/week (Thursdays). More frequently if the need arises.
- 8.4 Feed will be added once/week when cleaning. More frequently if the need arises.
- 8.5 Animal arrivals will be placed into the appropriate sized cage, labelled, given food and water and housed in the designated room.

**Laboratory Animal Services staff are available for assistance and advice please contact them to ask questions or just to inform them of events regarding your animals.**