

A 2 v1: Barrier Entry/Exit

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Purpose:

To describe the requirements and procedures for entry and exit of ABSL-3 biocontainment animal facilities and rooms at Colorado State University (CSU) and to maintain all species in a clean and healthy environment to meet or exceed State and Federal regulations and guidelines as outlined in the Animal Welfare Act and the Guide for the Care and Use of Laboratory Animals and to maintain biosafety and biosecurity as recommended by the Biosafety in Microbiological and Biomedical Laboratories (BMBL) manual.

Safety Considerations:

Allergens may be present throughout the facility. Animals are unpredictable and may present a physical hazard. Biohazardous organisms may also be present. It is the responsibility of all personnel to be familiar with the specific organisms present in all areas they will be entering. Additional training and PPE are required to enter and perform work in ABSL-3 facilities.

Procedure:

Guests or visitors must complete required paperwork and training before entry, and be escorted by either LAR personnel or experienced Investigator staff when entering LAR ABSL-3 vivaria.

Escorts are responsible for both the safety and actions of guests or visitors.

Persons under the age of 18 years are not allowed entry into any LAR managed ABSL-3 areas.

Personal clothing, jewelry & accessories are not allowed in ABSL-3 areas

Check directional airflow indicators prior to entering a BSI-3 space. These may be red/ green lights or tube/ ball indicators.

Minimize having adjacent doors open at the same time to preserve directional airflow.

1. Enter the facility or vivarium. If a keycard reader is used, each individual must scan their keycard (no piggybacking). Those who do not have access require an escort during their visit.
 - 1.1 Place your ID card on the locator board
 - 1.2 Read and heed all signs/white boards posted in animal facility areas.
2. Stage clean supplies and equipment needed for the day's tasks in the appropriate clean Materials Transfer Area (MTA). (see Area-specific Chart Appendix).
3. Obtain clean, long-sleeved scrubs. If long sleeve scrubs are not available, you must alternatively don Tyvek sleeves or a disposable gown before starting work.
4. Enter the appropriate locker room associated with the barrier (keycard access required).
5. Remove all personal clothing, jewelry and accessories except prescription eyeglasses. Undergarments are restricted (see 16 below)
6. Don facility scrubs, socks, headcover (optional), N-95 respirator mask, and 2 pairs of gloves.
7. Place keycard in scrub pocket (lanyards, clips, pouches, etc. are not allowed).
8. Don barrier-specific shoes (inside barrier)
9. Collect staged clean items from the MTA and bring to animal room being careful not to cross threshold or touch the clean side of the door.
10. Don any additional PPE required for animal room entry or required for performance of animal care duties.
11. Perform assigned or scheduled duties.
12. Remove dirty/contaminated items from the room per applicable Animal Husbandry Species Specific SOP.
13. Exit the animal room.
 - 13.1 Replace outer gloves with clean pair

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- 13.2 Disinfect re-usable PPE (Tyvek, PAPR, etc.)
- 13.3 Step through door
- 13.4 Remove reusable PPE, disinfect again, and return to storage location
- 14. Decontaminate items out of the barrier as required per applicable Animal Husbandry Species Specific SOP
- 15. Exit the biocontainment barrier (see Area-specific Chart Appendix for additional Painter D102 specific notes)
 - 15.1 Remove and store barrier-specific shoes
 - 15.2 Remove outer gloves
 - 15.3 Remove keycard and prescription glasses
 - 15.3.1 Apply disinfectant to keycard & glasses and set aside.
 - 15.4 Remove socks
 - 15.5 Remove scrubs
 - 15.6 Remove headcover (if used)
 - 15.7 Remove N-95
 - 15.8 Remove inner gloves
 - 15.9 Wash hands and rinse keycard and glasses or shower out.
 - 15.10 Add disinfectant per label instructions to sink drain (if used).
- 16. Special processing of personal undergarments is not required following routine cage changes and biological spills inside the BSC
 - 16.1. Special processing of personal undergarments is required when they become contaminated during a biological spill outside a BSC. When required, discard them with the barrier trash or bag them for later autoclaving.
 - 16.2 Place undergarments in a pre-labeled autoclave bag ("Trash" OR "Personal Items, Return to User's Name").
 - 16.3 Seal the autoclave bag.
 - 16.4 Stage the bag near the laundry collection bin in degowning room OR into the D102 laundry collection bin via the small laundry chute in the unisex shower stall for later collection and autoclaving.
- 17. Don personal attire.
- 18. Exit locker room
 - 18.1 Collect ID from the locator board.
 - 18.2 Collect decontaminated items, as needed.
- 19. Exit the facility

Appendix:

Area-specific Entry/Exit Chart

LAR Barrier Entry/Exit Chart

Barrier Location	Scrubs	Shoes	Material Transfer	Special Notes
BRB	West end of hallway	Hallway outside locker rooms	Small items: west MTA; carts: east MTA	TB testing required
PIII	Just outside locker rooms	In degowning room	North or south MTA	Yellow Fever Vaccination <u>MAY</u> be required - pay attention to entry signage; some areas may require Tyvek and PAPR
RBL	West end of hallway	In degowning room	Pod-specific MTA	TB testing required; some areas may require Tyvek and PAPR
Imaging	West end of hallway	In degowning room	Pod 3 MTA	When ABSL3: TB testing required; some areas may require Tyvek and PAPR
Painter B-wing	Main Painter supply	Hallway outside locker rooms	Cleanside MTA	TB testing required; some areas/procedures may require PAPR; must bring towel to locker room with you
Painter D102	Main Painter supply	Hallway outside locker rooms	MTA is located between autoclave and women's locker room	<p>TB testing required, must bring towel to locker room with you. Exit the D102 barrier via the D102 unisex shower. The unisex shower does not have a degowning area or hand sink. However, the shower head height is adjustable to accommodate either hand washing or full body showering, as needed.</p> <ul style="list-style-type: none"> • Return barrier specific footwear to its storage location. • Hold Your Breath. • Remove disposable PPE (hairnet, N-95 respirator and gloves) and discard in the adjacent trash container. • Step into the unisex shower stall. Pull the door closed. Resume Breathing. • Remove the facility socks and scrubs. • Place the socks, scrubs and bagged undergarments into the laundry collection bin via the small laundry chute in the shower stall. <p>Adjust the shower head to appropriate height for handwashing or full shower</p> <p>Upon exiting the shower stall, assure that the deadbolt lock on the barrier central area door is in the open position for the next user.</p>