

# Standard Operating Procedure

**Subject:** Biosafety Level 2+ Facility Operations (Room G16), Tuberculosis Research with Mice

**DAR SOP#:** 400-15

- X Laboratory and animal biosafety level 2+ practices must be followed (Biosafety in Microbiological and Biomedical Laboratories, HHS publication no, (CDC) 93-83 95, 3rd edition, May 1993.)
- X Reference should be made and followed for specific precautions described on summary statements for agents used in the facility.
- X **This room should be attended last!**
- X **Do not enter other animal rooms the same day after entering the BSL-2+ facility (G16)!**
- I. Entry Requirements
  - 1. Personal protective equipment required.
    - a. Booties.
    - b. Gown.
    - c. Head cover.
    - d. N-95 Mask.
    - e. Gloves.
  - 2. Note directional airflow by checking telltales attached to bottom of the door. Airflow should be inward. If there is a question about this, contact personnel listed in item III, A, 4.
- II. Exit Procedures
  - 1. Remove and deposit protective clothing in the waste receptacle at the laboratory door just before exiting (booties, gown, head cover, mask, gloves).
  - 2. Wash hands.
- III. Work Practices
  - A. Laboratory Procedures.
    - 1. All procedures will be performed carefully to minimize creation of aerosols.
    - 2. All manipulations involving infectious materials will be conducted in a

biological safety cabinet.

3. Spills of infectious materials will be decontaminated using disinfectant (Expose, 1oz/gal).
4. Spills and accidents which result in potential exposure should be reported immediately to the Principal Investigator, Director of the Division of Animal Resources, and the Biosafety Officer.

X	Principal Investigator:	Dr. Kirk Ziegler	7-5947
X	DAR Director:	Dr. Michael Huerkamp	7-7423
X	Biosafety Officer	Lee Alderman	7-5688
X	Emory Police*		7-6111

(\*Emory Police can provide assistance in locating DAR staff.)

5. Before leaving the laboratory, personnel should wipe work surfaces and counter tops with disinfectant (Expose, 1oz/gal).
6. At the end of each day, DAR staff should wipe the door (handles/plates) and mop the floor using Expose (1oz/gal).
7. Contaminated, non-reusable materials should be placed in hamper/autoclave bag. The DAR staff will autoclave all bagged material.
8. Animal carcasses for disposal must be double bagged, tagged (TB), and placed in container marked "Animal Carcasses". DAR staff will spray with disinfectant, remove and place in cooler in biohazard box for incineration.
9. An MDT (Castle) Steam Sterilization integrator strip must be placed with each batch of materials that is autoclaved. The indicator strip must indicate sterilization before materials are removed.
10. The autoclave should be tested weekly, using a biological indicator which has been included in a typical waste load. The DAR laboratory staff should maintain a file on the results of the tests.
11. Mice will be housed in microisolator cages with flat, metal frame wire lids, and Bed-o-cob (1/8") bedding, unless otherwise specified. Cages must be housed in negative pressure laminar flow, HEPA filtered containment device (Bioclean Duo-Flo Unit).
12. All animal work is to be done in a biosafety cabinet, including cage changes. The safety cabinet should be wiped down with Expose after use.
13. Discard water from used bottles into a container with a concentrated solution of Expose. This solution should be discarded in the sink drain.

14. Research staff should leave bottles in soiled cages. DAR staff should place the empty used bottles and tubes in a separate autoclave bag. Place intact soiled cages in an autoclave bag. Seal the bags with a rubber band. Bags of soiled material should be placed in the autoclave, the rubber band removed, and autoclaved on the Instrument Cycle (vacuum cycle, 135°C for three minutes, without dry time).
15. Autoclaved materials should be removed and taken directly to the cage wash room, soiled side.
16. Reusable equipment that cannot be autoclaved should be thoroughly decontaminated with Expose before removal.

B. Occupational Health Practices.

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Occupational  
animals.
1. All personnel working in this facility must receive training in biosafety the Biosafety Officer, DAR Director (or the designee) and the Principal Investigator before beginning work in the laboratory. This training will be an annual requirement.
  2. Personnel working in the facility must be a participant in the Health Program for persons working with laboratory animals.
  3. Personnel working in the laboratory will receive a tuberculin skin test prior to beginning work and every 6 months thereafter and/or chest radiograph if indicated.

Written by: DAR Director  
Date issued: 6/19/96  
Last Reviewed: 2/28/01

Supersedes: none

Approved by:  
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