

SOP Title: Positive Diagnostics Procedure	SOP #: DX101
Effective Date: March 18, 2021	Revision #: 00
<i>Veterinary Resources Program in Comparative Medicine</i>	

1. PURPOSE

- 1.1. The purpose of this Standard Operating Procedure (SOP) is to describe the procedures to be taken in the case of a positive result, assessing the indirect and/or direct presence of parasites (pinworms and fur mites), viruses, or bacteria known to be infectious and not tolerated as part of a healthy animal facility at The University of Maryland, Baltimore (UMB).

2. RESPONSIBILITY

- 2.1. All caretakers, veterinary technicians, management, and veterinarians in Veterinary Resources (VR) are responsible for following all aspects of this SOP.
- 2.2. All employees of UMB are obliged to follow the requirements of this program, and to respect the responsibilities of the VR program and its members.

3. MATERIALS AND EQUIPMENT

- 3.1. Personal Protective Equipment (PPE) including but not limited to:
 - 3.1.1. Disposable gown
 - 3.1.2. Disposable sleeves
 - 3.1.3. Face masks (2), doubled
 - 3.1.4. Disposable gloves
 - 3.1.5. Disposable jumpsuit (i.e. Tyvek)

4. DEFINITIONS – N/A

5. PROCEDURE

- 5.1. When a positive result occurs:
 - 5.1.1. The Program Director, Attending Veterinarian (AV), Program Manager, and respective Facility Manager will be notified immediately by the diagnostic technician and provided a copy of the original report from Charles River.

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- 5.1.2. The Principal Investigator (PI) whose animals are involved will be notified via email from the Program Director within 24 hours of discovery. The Program Director may also inform other relevant users of VR facilities.
- 5.1.3. The Program Director will coordinate with the PI to identify contact tracing of the animals (i.e. procedure rooms/laboratories, etc.)
 - 5.1.3.1. The VR team will discuss or train the PI or designee on proper sanitation of PI's rooms/surfaces (to be performed by a member of the laboratory), as well as procedures for reducing cross-contamination throughout the facility.
- 5.1.4. The respective animal room will be placed on a temporary isolation status. Proper door signage will be posted within 24 hours of discovery. See Appendices *1.0: Isolation Room Status Entry* and *2.0: Isolation Room Status Exit*.
- 5.1.5. Increased use of PPE will be required upon entry into the animal room (isolation gown, gloves, face mask) and removed prior to exiting the animal room.
- 5.1.6. The animal room will be disinfected thoroughly in accordance with SOP *AH602, Animal Room Sanitization*.
- 5.1.7. The infected room will be the last animal room entered by all VR staff as well as PI staff entering that room.
 - 5.1.7.1. In an emergency, if a VR staff or PI must enter another animal room afterwards, personnel must change scrubs or wear a full disposable jumpsuit.
- 5.1.8. To limit cross contamination of animal facilities, infected animals must remain in the room and not be removed.
 - 5.1.8.1. If necessary, to be determined by the AV, the animals may be transported to/from the PI's laboratory space upon prior approval and proper sanitation of their areas have been performed.

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5.1.9. The isolation room status will remain in effect until negative health screenings are obtained and the Isolation Room Status signs are removed.

5.2. Special Cage Change Procedures

5.2.1. Perform cage changes as directed in SOP *AH202, IVC Rodent Husbandry* or *AH111, Conventional Rodent Husbandry* or applicable.

5.2.1.1. Infected cages should be changed last. Husbandry staff will change gloves and sleeves when handling different PI colonies.

5.2.1.1.1. The biosafety cabinet is to be thoroughly sanitized, as indicated in the weekly cleaning schedule after each use.

5.2.1.2. Before moving the 3-sided cart with soiled cages to the dirty side of cagewash, the rack should be thoroughly saturated in its entirety with disinfectant. **Note: Do not leave any dirty cages/carts in the hallways or public areas.**

5.2.1.2.1. Soiled bedding and cages should be processed in cagewash as soon as possible. Dirty bedding should be emptied using the bedding dump stations.

5.2.1.2.1.1. After infected soiled bedding is dumped, the trash bag should be tied off, thoroughly saturated with disinfectant, then brought directly to the dumpster.

5.2.1.2.1.2. After the soiled cages are processed, the dirty side of cagewash should be thoroughly disinfected.

5.3. Further confirmatory testing will be decided upon by the AV. If it is decided that individual cages should be assayed, the PI will first be consulted.

5.4. Treatment of infections any sort (parasitic, viral, bacterial) will be determined by the AV and carried out following consultation with the PI. The PI may choose to accept recommended treatment, or to euthanize the animals; refusing treatment is not an option.

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6. REFERENCES

- 6.1. AH111, Conventional Rodent Husbandry
- 6.2. AH202, IVC Rodent Husbandry
- 6.3. AH602, Animal Room Sanitization

7. FORMS AND APPENDICES

Document Number	Title
Appendix 1.0	Isolation Room Status Entry
Appendix 2.0	Isolation Room Status Exit

8. DOCUMENT REVISION HISTORY

Revision Number	Description of Changes	Effective Date
DX101.00	New document.	03/18/2021

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Appendix 1.0: Isolation Room Status Entry

Isolation Room Status

Personal Protective Equipment (PPE) REQUIRED upon entry into this room:



Isolation Gown



Gloves



Double
Face Mask

Must read prior to entry:

- Only essential personnel permitted in this room.
- No animals are permitted to leave this animal room without written approval from the Attending Veterinarian or Program Director.
- This room should be the LAST animal room entered in the day.
- All supplies/equipment/carts (including wheels) should be saturated with disinfectant PRIOR to entering this room.

If you have any questions and/or concerns, please contact
Kristine Spelman at 410-218-7901

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Appendix 2.0: Isolation Room Status Exit

Isolation Room Exit Procedure

Remove PPE prior to leaving room and discard in trashcan:



Isolation Gown



Gloves



Outer Layer
Face Mask

Must read prior to exiting room:

- You must clean and disinfect all work surfaces you used.
- You may not enter any other animal rooms without changing your clothes and/or wearing a Tyvek suit.
- No animals are permitted to leave this animal room without a written approval from the Attending Veterinarian or Program Director.
- All supplies/equipment/carts (including wheels) must be saturated with disinfectant PRIOR to exiting this room.

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