



OFFICE OF LABORATORY ANIMAL CARE

Operating Guidelines

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Procedures

1. Required Personal Protective Equipment (PPE) for Nonhuman Primate Users:
 - a. The following MINIMUM PPE MUST be worn by personnel when entering a nonhuman primate room, laboratory area, or any time when there is a reasonable expectation of human mucous membrane exposure from animal equipment (ie, in hallways or dirty cage wash during cage change).
 - Disposable gown or lab coat over: scrubs, dedicated clothing, or street clothes (street clothes must not allow leg skin exposure)
 - Shoe covers
 - Gloves
 - Face mask
 - Eye Protection (full face-shield or fitted safety goggles are required in the animal room)
 - Hair bonnet
 - b. When adjacent to the cage for close animal observations or movement of cage partitions, use Tyvec sleeves **in addition to PPE listed**.
 - c. When transporting an NHP through vivarium hallways:
 - Wear all PPE worn in the room
 - Cover animal with disposable gown With additional risk of exposure to macaque species body fluids or waste products (e.g. cage cleaning or manipulation, during surgery, taking an animal out of its cage for transport to and from the laboratory or when performing physical exams), personnel should also wear the following PPE **in addition to PPE listed above**:

- Scrubs or designated clothing that does not leave the animal housing or use areas
- Scratch-resistant or double gloves when handling cages, including pans or dividers
- d. While in the laboratory (recording- animal room or side of room) or procedures other than surgery:
 - Wear all PPE as per above
 - Approved safety glasses or half-face-shield mask combo can be worn in lieu of full face shield
- e. While in the computer equipment room or side of the room where nonhuman primates will not be present:
 - Lab coat only
- f. During periods of suspected or confirmed disease outbreak, minimum PPE requirements may be modified by a veterinarian in consultation with EH&S based on risk to personnel.

2. Protection from *Macacine herpesvirus I* (Herpes B):

- a. *Macacine herpesvirus I*, (B virus or Herpes B) is enzootic in the genus *Macaca*.
- b. Humans who have contact with these animals or their body products/tissues may be exposed to B-virus through bites, scratches, mucous membrane exposure to macaque body fluids, contaminated needle sticks, and other routes.
- c. Rapid and adequate first aid after exposure greatly reduces infection.
- d. Humans infected with B-virus present with neurological signs (progressive numbness or tingling associated with the exposure site), a period of severe flu-like symptoms, and/or other variable signs that progress to brain inflammation.
 - Untreated, the infection carries a fatality rate of approximately 70%. The fatality rate can be reduced with early initiation of antiviral therapy.
 - **ALL macaques are presumed to be shedding B-virus.**
- e. Procedures:
 - All persons working with macaques or their tissues must be enrolled in the OLAC Occupational Health Program before gaining access to the NHP hallway.
 - Enrollment health care requirements (e.g., tuberculosis testing and measles vaccine/titer) must be maintained.
 - If enrollment lapses, permission to enter the NHP area, work with macaque monkeys or their products/tissues also lapses.
 - All persons working with macaques or their tissues must attend OLAC instruction on Working Safely with Nonhuman Primates before they can enter the NHP area.
 - All persons entering nonhuman primate areas must wear PPE according to the above.
 - All persons working with macaques should be trained to handle sharps with extra precautions.
 - Needles that have entered a macaque body or have in any way been exposed to macaque bodily fluids, should **never** be recapped.

- A sharps disposal container should always be near when performing injections or any procedures involving sharps on macaques.
- In the event of a bite or scratch by a macaque, scratch by dirty NHP equipment, or contact between macaque body fluids and human mucous membranes or non-intact skin (ie: splash in eye, mouth, nose), follow the posted **exposure protocol**:
 - Immediately wash the wound/area with mild soap and water, or (if a mucosal exposure or eyes) flush with water.
 - Washing/flushing should continue for 15 minutes.
 - Report the exposure supervisor and call 3-VETS (510-643-8387) to notify veterinary staff.
 - Making sure to bring the post-exposure packet from the NHP exposure kit, seek medical attention:
 - If during regular business hours, visit UCB's Tang Center
 - If outside business hours or on a weekend or holiday, visit Alta Bates Summit Medical Center.
 - Following the hospital visit, call UCB's Occupational Health at 510-642-6891 to report the incident and initiate Worker's Compensation procedures.

REVISION HISTORY			
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