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## STANDARD OPERATING PROCEDURE

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**TITLE:** Non-human Primate Maintenance Health Monitoring, Non-Human Primate Module, West Valley Building, University of Western Ontario

**SOP NO.:** WV 300-1

**REVISION:** 01

**EFF. DATE:** DRAFT

**SUPERSEDES:**

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- 3.2 Principle Investigators (PIs) are responsible for ensuring their research staff advise an ACVS veterinarian of NHP that require testing
- 3.3 The research technician in charge of the NHP shall:
  - 3.3.1 Contact an ACVS Veterinarian when tests and examinations are due
  - 3.3.2 Maintain copies of all documents provided by the Veterinarian
- 3.4 An ACVS Veterinarian shall perform the required examinations and tests and document all findings

### 4.0 PROCEDURE

#### 4.1 QUARANTINE

- 4.1.1 NHP must enter quarantine at the Health Sciences Animal Facility upon arrival and may only be released upon written permission from an ACVS Veterinarian
- 4.1.2 Refer to SOP 2104 "Rhesus Macaque Quarantine"

#### 4.2 DAILY MONITORING

- 4.2.1 Both animal care staff and research staff are to monitor the mobility, behaviour and attitude, the appetite and thirst, feces and urine, and the presence of any abnormalities (discharges, sneezing, coughing, rashes, masses, bleeding) of each NHP on a daily basis
- 4.2.2 Note in particular for the presence of any lesions on mucocutaneous junctions
- 4.2.3 This information is to be recorded on the "Daily Observation Sheet"
- 4.2.4 Any abnormalities are to be referred immediately to the Facility Manager and the Clinical Veterinarian

#### 4.3 RECORDING OF BODY WEIGHT

- 4.3.1 Each NHP is to be weighed a minimum of once a month, and the weight recorded in the medical records for the individual

#### 4.4 ANNUAL HEALTH EXAMS

- 4.4.1 NHP will be thoroughly examined every 6 months by an ACVS Veterinarian

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- 4.4.1.1 Any quarantine examinations performed by an ACVS Veterinarian shall be considered as one of these examinations
  - 4.4.1.2 NHP shall be under general anesthesia
  - 4.4.1.3 An examination shall in Macaques, include a thorough examination of mucus membranes for the presence of herpiform lesions
  - 4.4.1.4 Weight is to be recorded
  - 4.4.2 A complete physical exam will be performed twice a year
  - 4.4.3 Blood samples will be taken for a CBC and complete serum chemistry once a year
  - 4.4.4 Fresh and SAF fixed fecal samples will be obtained for parasite analysis once a year
    - 4.4.4.1 Use a sedimentation concentration procedure suitable for both metazoan eggs and protozoa
    - 4.4.4.2 A smear should be obtained from the fresh sample and examined for protozoa
  - 4.4.5 Serology shall be performed twice a year
    - 4.4.5.1 For Macaques this shall include a minimum of B Virus and Foamy Virus
    - 4.4.5.2 For other NHP this shall include a minimum of Foamy Virus
    - 4.4.5.3 Other serological tests shall be performed as determined by an ACVS Veterinarian
  - 4.4.6 TB skin testing will be performed once a year
  - 4.4.7 B Virus testing will be performed once a year
  - 4.4.8 During an annual health exam the Veterinarian will perform procedures as required such as vaccines, dental prophylaxis, nail trim, and any other required procedures
  - 4.5 VACCINES
    - 4.5.1 NHP will be vaccinated as required by the ACVS Veterinarian
      - 4.5.1.1 No vaccines are currently required
  - 4.6 ADDITIONAL
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- 4.6.1 The Clinical Veterinarian, in consultation with the Principle Investigator, may schedule specific procedures, diagnostics or treatments as may be required

### 5.0 HEALTH & SAFETY

- 5.1 Risks of working with NHPs, their body fluids, and tissues.
- 5.1.1 All macaques, and their body fluids and tissues, should be considered carriers of B-Virus which in the event of an exposure can cause fatal disease in humans
- 5.1.2 Working with NHPs (and their body fluids and tissues) of any species has inherent risks of zoonotic diseases as well as risks from the animals themselves, and from equipment, materials and agents used in NHP husbandry.
- 5.1.3 All personnel working with NHPs (including body fluids and tissues) and their supervisors, must be familiar with the ACVS document Research Using Non-Human Primates – Safety Concerns for Personnel
- 5.2 Reducing the Risks Associated with NHP
- 5.2.1 All personnel working with NHPs, or their body fluids or tissues, must be familiar with and agree to follow the applicable SOPs
- 5.2.2 All personnel working with NHPs, or their body fluids or tissues, or treating exposed personnel, must be familiar with the Staff Health Policy: Advice to Employees Working with Non-Human Primates and Physicians Treating Human Exposures
- 5.2.3 Personnel may not work with NHPs, and their body fluids and tissues, until all training has been completed
- 5.2.4 SHARPS i.e. needles, syringes, broken glass, etc. shall be disposed of in the appropriate labeled container. Needles must never be recapped while holding the needle cover.
- 5.2.5 All personnel working with NHPs, and their body fluids and tissues, must be familiar and comfortable with the use of Personal Protective Equipment
- 5.2.5.1 All personnel must undergo NIOSH mask fit-testing

5.3

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**6.0 REVISION HISTORY**

<b>Revision</b>	<b>Reason(s) for Revision</b>	<b>Initiated by</b>

**7.0 REFERENCES / ASSOCIATED MATERIALS**

7.1

**8.0 ATTACHMENTS**

8.1