
1. PURPOSE

This Standard Operating Procedure (SOP) describes the health monitoring program for macaques.

2. RESPONSIBILITY

Veterinary care staff.

3. MATERIALS

- 3.1. Ketamine
- 3.2. Old Mammalian Tuberculin
- 3.3. Blood collection materials
- 3.4. Fecal collection containers

4. PROCEDURES

- 4.1. Monitor populations that are housed for more than 8 weeks.
- 4.2. Every 6 months, under ketamine (10 mg/kg IM) anesthesia:
 - 4.2.1. Examination:
 - 4.2.1.1. Record body weight.
 - 4.2.1.2. Perform a complete physical examination.
 - 4.2.1.3. Examine the animal for oral or genital lesions (e.g. vesicles, ulcerations, etc.) and any clinical evidence of viral shedding.
 - 4.2.1.4. Trim the nails.
 - 4.2.2. Tuberculosis testing:
 - 4.2.2.1. Inject 0.1 ml of Old Mammalian Tuberculin in the upper eyelid near the edge.
 - 4.2.2.2. Reaction will be read at 24h, 48h, and 72h.
 - 4.2.2.3. The description of the reaction or corresponding reaction grade (as per table below) must be entered into the animal's record.

| REACTION GRADE | DESCRIPTION OF CHANGES |
|----------------|--|
| 0 | No reaction |
| 1 | Bruise – extravasation of blood in the eyelid associated with the injection of tuberculin. |
| 2 | Varying degrees of erythema of the palpebrum with minimal swelling. |
| 3 | Moderate swelling with or without erythema. |
| 4 | Obvious swelling of the palpebrum with drooping and varying degrees of erythema. |
| 5 | Marked swelling with necrosis and eyelid closure or partially closed. |

- 4.2.2.4. Grades 0, 1 and 2 are considered negative. Grade 3 is suspect and grades 4 and 5 are considered positive.

- 4.2.3. Inject ivermectin 0.2mg/kg subcutaneously.
- 4.2.4. Fecal samples:
 - 4.2.4.1. Collect fresh feces from cage trays for parasitology (flotation).
 - 4.2.4.2. Collect fresh feces in Cary-Blair transport medium for culture.
- 4.2.5. Blood collection, if required:
 - 4.2.5.1. Take 2 mL of blood from the femoral vein: 0.5 mL in EDTA for hematology.
- 4.2.6. Conduct Herpes B testing as per Macaque Herpes B Testing SOP.
- 4.3. Health status reports:
 - 4.3.1. The facility veterinarian reviews all health monitoring reports.

SOP REVISION HISTORY

| DATE | PREVIOUS VERSION | NEW VERSION |
|------------|---|--|
| 2018.01.11 | 3.1. Ketamine 3.2. Old Mammalian Tuberculin 3.3. Blood collection materials 3.4. Fecal collection containers 3.5. Dry swabs, cotton-tip or synthetic tip 3.6. Amies swabs 3.7. Zip-top biohazard specimen bags 3.8. Styrofoam shipping box and cardboard box | 3.1. Ketamine 3.2. Old Mammalian Tuberculin 3.3. Blood collection materials 3.4. Fecal collection containers 3.5. Dry swabs, cotton-tip or synthetic tip 3.6. Amies swabs 3.7. Zip-top biohazard specimen bags 3.8. Styrofoam shipping box and cardboard box |
| 2018.01.11 | 4.2.5.2. Take 2 mL of blood from the femoral vein: 0.5 mL in EDTA for hematology and 1.5 mL in SST tube for serology. | 4.2.5.2. Take 2 mL of blood from the femoral vein: 0.5 mL in EDTA for hematology and 1.5 mL in SST tube for serology. |
| 2018.01.11 | 4.2.6 (NO TEXT) | 5.1.3 Conduct Herpes B testing as per Macaque Herpes B Testing SOP. * All sections containing procedures and annex related to sample collection for Herpes B testing can now be found in SOP 630 – Macaque Herpes B Testing. |