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
3.5. Amies swabs

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. TB 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.

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

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. Fecal samples:
   4.2.3.1. Collect fresh feces from cage trays for parasitology (flotation).
   4.2.3.2. Collect fresh feces in Cary-Blair transport medium for culture.

4.2.4. Blood collection, if required:
   4.2.4.1. 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. Inject ivermectin 0.2mg/kg subcutaneously.

4.3. Health status reports:
   4.3.1. The facility veterinarian reviews all health monitoring reports.