Name:  Plasmodium Ovale  

1. Mode of Transmission to Humans (e.g. inhalation, inoculation, mucous membrane exposure, etc.):

2. Description of the Human Disease associated with this agent or vector (including instances of laboratory acquired infections):

3. Personnel Protection Required (minimum requirement):

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Vivarium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety Glasses</td>
<td>X</td>
</tr>
<tr>
<td>Lab Coat</td>
<td>X</td>
</tr>
<tr>
<td>Gloves</td>
<td>X</td>
</tr>
<tr>
<td>Goggles</td>
<td></td>
</tr>
<tr>
<td>Disposable Gowns</td>
<td></td>
</tr>
</tbody>
</table>

Other - Describe:  
**N-95 respirator is required for work with BSL-2 agents in animals outside a BSC**

4. Engineering Controls (minimum requirement):

<table>
<thead>
<tr>
<th>Laboratory</th>
<th>Vivarium</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoclave</td>
<td></td>
</tr>
<tr>
<td>BioSafety Cabinets</td>
<td></td>
</tr>
<tr>
<td>Closed Centrifuge Rotors</td>
<td></td>
</tr>
</tbody>
</table>

Other - Describe:  
**A Biosafety Cabinet must be used for all aerosolizing procedures**

5. Disposal Procedures:

   **Liquids:** add bleach to a final concentration of 10% bleach solution (Clorox or other bleach with Cal EPA registration number), let sit for 30 minutes, dispose of in sink (best while running water). Aspirator flasks: bleach is added to aspirator flasks initially so that the final concentration will be 10%. These must be emptied at least weekly.

   **Solids:** disposed of in labeled, double red biohazard bags held in labeled, rigid, covered containers. Transport to biohazard collection area in a closed rigid container for final disposal by EH&S. These must be emptied at least weekly.

6. Disinfection Procedures:

   **Surface:** 10% household bleach solution made up fresh daily (Clorox or other bleach with Cal EPA registration number) allowing 5-minutes contact time.
   OR
   **Surface:** 75 ppm of CA EPA approved iodophor (e.g. Wescodyne) allowing 5-minutes contact time.

7. Recommended/Required Vaccinations or other Medical Surveillance:

   **The UCSD Center for Occupational and Environmental Medicine and the Institutional Biosafety Committee (IBC) do not recommend malaria prophylaxis for laboratory researchers unless a risk-benefit assessment and medical consult is completed. Malaria prophylaxis is generally only indicated for researchers traveling to areas where malaria is present, not for the laboratory research setting.** 
   Research staff interested in receiving prophylaxis or additional information should contact EHS/Occupational Health at 858-534-8225 to receive assessment and medical consult. Additional information about malaria prophylaxis is available on the Biosafety BLINK webpage/high risk biologic agents (http://blink.ucsd.edu/safety/research-lab/biosafety/medical-consultation.html) and the Centers For Disease Control webpage (http://www.cdc.gov/malaria/).
8. Employee Exposures - first aid procedures:
   a. Eye exposure from splash or aerosols - rinse a minimum of 15 minutes in eye wash or flush area with water.
   b. Skin exposure - wash area with soap and water for 15 minutes
   c. Needle stick and/or sharps exposure - wash wound area with soap and water for 15 minutes
   d. Contamination of clothing - remove the contaminated clothing and place in biohazard bag, shower with the emergency douse shower, and put on clean clothes.
   e. Spill or release - Monday through Friday, 8a - 4:30p call EH&S at (858-534-3660); after hours call UCSD Police (858-534-4357)

9. Employee Exposure - seek medical follow-up from the following medical providers: (TAKE THIS ECP WITH YOU)
   - Monday - Friday, 8a - 4:30p:
     UCSD Occupational & Environmental Medicine, (619) 471-9210
   - 24-hour walk-in service:
     Thornton Hospital Emergency Room, (858) 657-7600
     UCSD Medical Center (Hillcrest) Emergency Room, (619) 543-6400

10. Report All Injuries, Illnesses, and Exposures to EH&S:
     - Complete the information found on "What to Do if a Work-Related Injury or Illness Occurs" (http://blink.ucsd.edu/Blink/External/Topics/How_To/0,1260,4295,00.html)

11. Required Biosafety Training:
    - Laboratory specific training on hazards, exposure evaluations, and the required precautions for experimental procedures used with this agent - provided by Principal Investigator