Name: Adeno-associated Virus

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

   BioSafety Approved Version
   Mode of transmission has not been documented definitively. Infection apparently occurs via mouth, esophageal, or intestinal mucosa.

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

   No human pathology is known for wild type AAV. Wild type AAV integrates preferentially into human chromosome 19; recombinant vectors lose this specificity and appear to integrate randomly, thereby posing a theoretical risk of insertional mutagenesis.

3. Personnel Protection Required (minimum requirement):

<table>
<thead>
<tr>
<th>Safety Glasses</th>
<th>Lab Coat</th>
<th>Gloves</th>
<th>Goggles</th>
<th>Disposable Gowns</th>
<th>Other - Describe</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td>N-95 respirator is required for work with BSL-2 agents in animals outside a BSC</td>
</tr>
</tbody>
</table>

4. Engineering Controls (minimum requirement):

<table>
<thead>
<tr>
<th>Autoclave</th>
<th>BioSafety Cabinets</th>
<th>Closed Centrifuge Rotors</th>
<th>Other</th>
</tr>
</thead>
<tbody>
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</table>

<table>
<thead>
<tr>
<th>Engineered Sharps Protection</th>
<th>Sharps Containers</th>
<th>Closed Centrifuge Tubes</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>X</td>
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<td>X</td>
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</tbody>
</table>

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:

   None
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, Illness, or Exposure Occurs" (http://blink.ucsd.edu/Blink/External/Topics/How_To/0,1260,4295,00.html)

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

12. Lab Specific Instructions:
    Procedure listed in protocol S02174R. Biohazard sign required, cage card lists hazardous agent, protective equipment (latex gloves, mask (N95), disposable lab coat, goggles, hair net, footcovers, etc.), use of biological safety cabinet, and proper disposal of contaminated tools and equipment used.