



**Pathogen Safety Datasheet**  
**Adeno-associated viral vector (AAV)**

**DESCRIPTION**

AAV are members of the family *Parvoviridae*. They are nonenveloped viruses with a single-stranded linear DNA genome. AAV can only replicate in the presence of a helper virus (e.g., adenovirus, herpes simplex virus, cytomegalovirus, vaccinia virus).

**PATHOGENICITY**

There are no known health hazards associated with AAV and they are not known to cause disease in humans.

**MODE OF TRANSMISSION**

AAV are transmitted by inhalation of aerosolized droplets, by contact with mucosa, by parenteral injection and by ingestion.

**LABORATORY CONTAINMENT REQUIREMENTS**

Recombinant AAV vector /packaged viral particles: Biosafety containment level 2

\* If you wish to use a different Biosafety containment level, please contact your institution/company's biosafety officer, who will be able to determine what is required for your lab.

**DISINFECTANTS**

0.5% sodium hypochlorite (1/10 dilution of bleach), 2 % glutaraldehyde and 0.25 % sodium dodecyl sulfate.

**References**

- Laboratory Biosafety Guidelines, Public Health Agency of Canada.
- Containment Standards for Veterinary Facilities, Canadian Food Inspection Agency.
- Guidelines for Research Involving Recombinant DNA Molecules, National Institutes of Health.

*This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.*

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