



Recommendation for AAV Vector Storage and Handling

1) AAV vectors are **very stable at room temperature and 4°C**:

- a. Can be stored at 4°C or 25°C for approximately 4 months for the prep to lose 10% (0.1 log) of the original titer
- b. Reference – Croyle MA, Cheng X, Wilson JM. Development of formulations that enhance physical stability of viral vectors for gene therapy. *Gene Ther.* 2001; 8: 1281-1290

2) After the desalting and sterilization, fresh made AAV will be frozen at -80C to prevent the aggregation Virovek AAV will be shipped in Dry Ice package.

2) For long-term storage, store at -80°C:

- a. If need to store in -80°C, we recommend to first aliquot into smaller volumes (20-100uL aliquots), and then put into long-term storage

3) Additional recommendations for AAV handling:

- a. Thawing: either at room temperature or in 37°C water bath
 - i. *If thawing in 37°C water bath, monitor continuously and remove immediately when AAV has been thawed completely*
- b. If after thawing an aliquot of AAV virus, and you did not finish using the entire aliquot, but you know you will use this same virus again soon (within a couple of months), then please store the virus at 4°C instead of re-freezing at -80°C
- c. When ready to use thawed AAV, vortex virus briefly to break up any potential aggregation of viral particles, and then do a quick spin down before pipetting the virus
 - i. AAV is very tough and resilient and can withstand the forces generated in vortexing
- d. Do **NOT** store at -20°C under any circumstance