

AAV2 Reference Material Characterization Handling Instructions and Testing Schedule:

1. You should receive two vials from ATCC on dry ice.
2. Upon receipt, store both vials frozen at -70 to -90°C.
3. Thaw one vial at room temperature while mixing gently (DO NOT VORTEX).
4. Keep the thawed vial on wet ice.
5. **Within 1 hour of thawing, conduct infectivity assay by:**
 - a. **TCID50**
https://www.isbiotech.org/ReferenceMaterials/pdfs/AAV2_RSS_Infectious_titer_assays_V2.pdf
6. Store the remainder of the thawed vial at 4°C and mix gently upon use.
7. Within 5 days of vial thaw, conduct:
 - a. SDS-PAGE
https://www.isbiotech.org/ReferenceMaterials/pdfs/AAV2_RSS_Identity-Purity_assay_V2.pdf
 - b. Capsid ELISA
https://www.isbiotech.org/ReferenceMaterials/pdfs/AAV2_capsid_titer_assay_V2.pdf
 - c. Vector genome PCR
https://www.isbiotech.org/ReferenceMaterials/pdfs/AAV2_RSS_genome_copy_titration_QPCR.pdf
8. Repeat Steps 3 through 7 on the second vial starting on a different calendar day.