



CERTIFICATE OF ANALYSIS

449B000

Product

Purified AAV2-Empty (Lot 24-400)

Storage Conditions

The AAV vectors should be kept at -80°C for long-term storage. When storing for frequent use, 4°C is recommended.

Avoid storing at -20°C .

Shipping Conditions

Dry Ice

Manufacture Date

2024-10-09

Shelf Life/Expiration Date

Virovek's AAV will last 5 years from the manufacture date when stored at -80°C without freeze-thaw cycles.

Description

AAV2-Empty was produced in insect Sf9 cells by infection with rBV-V449-inCap2-inRep-kozak-hr2.

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with Amicon desalting columns. The vectors were then sterilized via filtration with $0.22\ \mu\text{m}$ filters. The final buffer is 1xPBS + 0.001% pluronic F-68.

These vectors are for research use only and not for any human purposes.

Capsid Titer

The titer of **AAV2-Empty** particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve. The final dilution at $2\text{E}+13$ vp/mL was made by the formulation buffer.

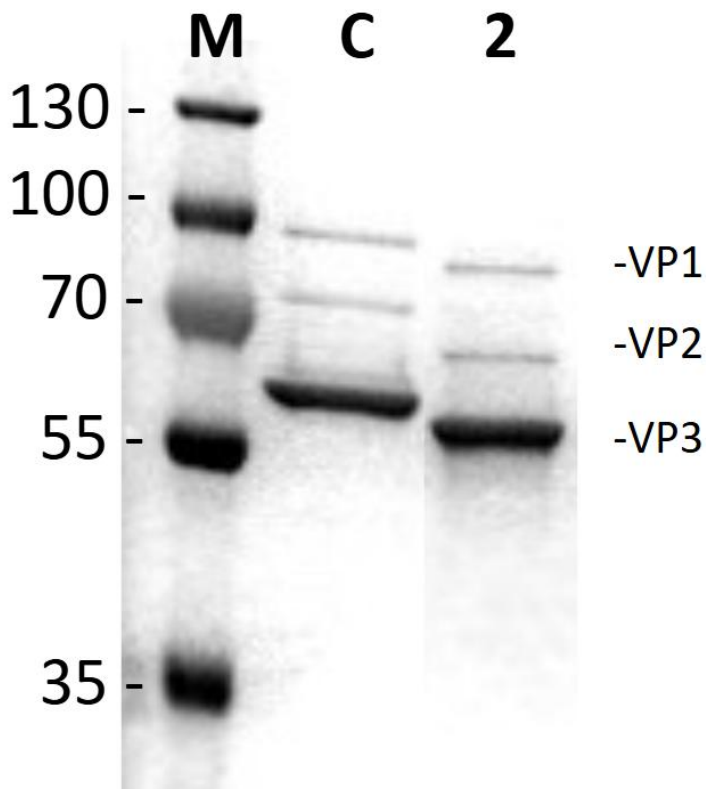


Quality Control Data

SDS-PAGE and InstantBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1).

Product titer

Lot 24-400: 2E+13 vp/mL



Lane M: Protein Ladder

Lane C: AAV8 Standard Control 1E+11vg Loaded

Lane 2: AAV2-Empty Lot 24-400, 1E+11 vp loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified samples.

Approved By: QA/QC Team Date: 2025-07-30