



## CERTIFICATE OF ANALYSIS

### Product

Purified AAV2-CMV-GFP (Lot 24-300)

### Storage Conditions

The AAV vectors should be kept at  $-80^{\circ}\text{C}$  for long-term storage. When storing for frequent use,  $4^{\circ}\text{C}$  is recommended.

Avoid storing at  $-20^{\circ}\text{C}$ .

### Shipping Conditions

Dry Ice

### Manufacture Date

2024-07-29

### Shelf Life/Expiration Date

Virovek's AAV will last 5 years from the manufacture date when stored at  $-80^{\circ}\text{C}$  without freeze-thaw cycles.

### Description

**AAV2-CMV-GFP** was produced in insect Sf9 cells by infection with rBV-V449-inCap2-inRep-kozak-hr2 and rBV-V545-CMV-GFP.

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with 2 Amicon desalting columns. The vectors were then sterilized via filtration with  $0.22\ \mu\text{m}$  filters. The final formulation buffer is 1xPBS + 100 mM sodium citrate + 0.001% pluronic F-68.

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

### Quality Control Data

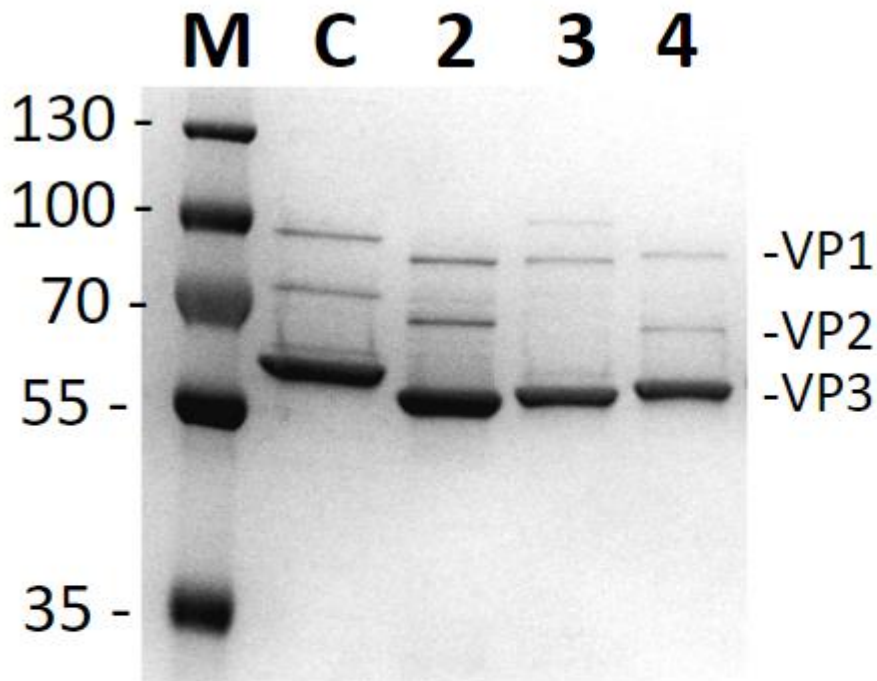
qPCR analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and InstantBlue Staining techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).



Product titer

Lot 24-300: 2E+13 vg/mL

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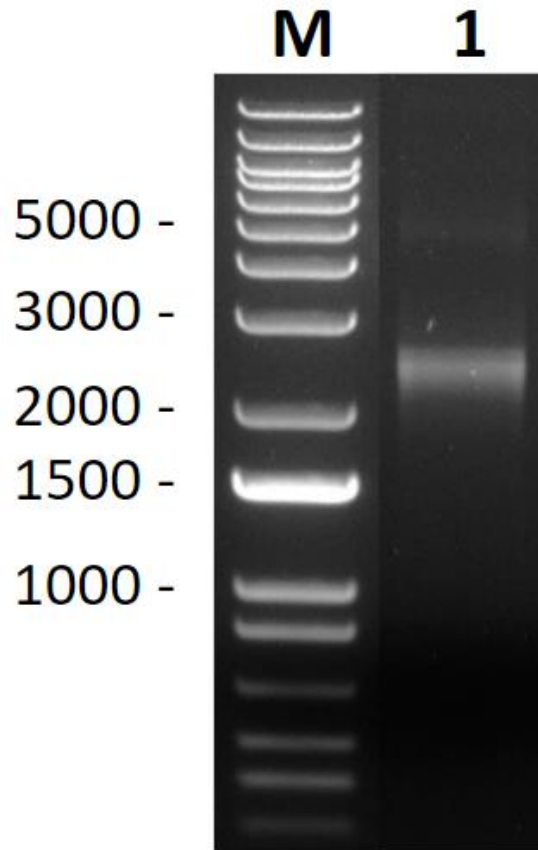
**Lane M:** Protein Ladder

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

**Lane 4:** AAV2-CMV-GFP Lot 24-300 1E+11 vg loaded

Other lanes are not related to this batch.

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



**Lane M:** 1KB DNA Ladder

**Lane 1:** AAV2-CMV-GFP Lot 24-300 1E+11 vg loaded

Fig. 2: DNA agarose gel of purified sample.

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Approved By: QA/QC Team    Date: 2024-08-05