



## **CERTIFICATE OF ANALYSIS**

### **Product**

Purified AAV2-Empty (Lot 24-224)

### **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**

**2024-06-12**

### **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-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.



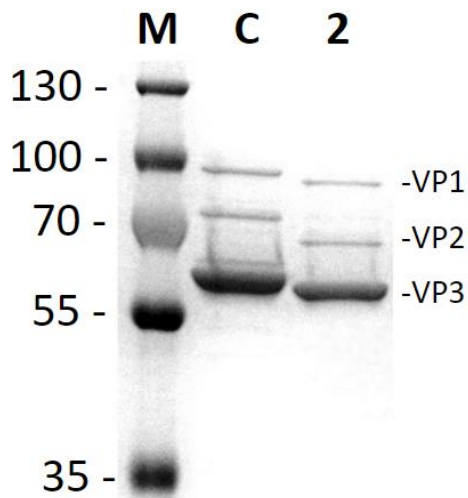
### Quality Control Data

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

Product titer

Lot 24-224: 2E+13 vg/mL

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**Lane M:** Protein Ladder

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

**Lane 2:** AAV2-Empty Lot 24-224 1E+11vp Loaded

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

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Approved By: QA/QC Team    Date: 2024-07-24