



CERTIFICATE OF ANALYSIS

VVK10012542 Project #4, VVK10012542 Project #1
295B545, 295B000

Products

Purified AAV5-CMV-GFP (Lot: 23-266)

Purified AAV5-Empty (Lot: 23-271)

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

2023-07-14

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

- AAV5-CMV-GFP was produced in Sf9 cells by dual infection with rBV-inCap5-inRep2 and rBV-CMV-GFP. The final buffer is 1xPBS + 0.001% pluronic F-68.
 - AAV5-Empty was produced in Sf9 cells by single infection with rBV-inCap5-inRep2. The titer of AAV5-Empty particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve. The final buffer is 1xPBS + 0.001% pluronic F-68. AAV capsid titer
- The vectors were purified through 2 rounds of CsCl ultracentrifugation. The CsCl was removed through buffer exchange with Amicon desalting columns. The vectors were then sterilized via filtration with $0.22\ \mu\text{m}$ filters.

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

Quality Control Data

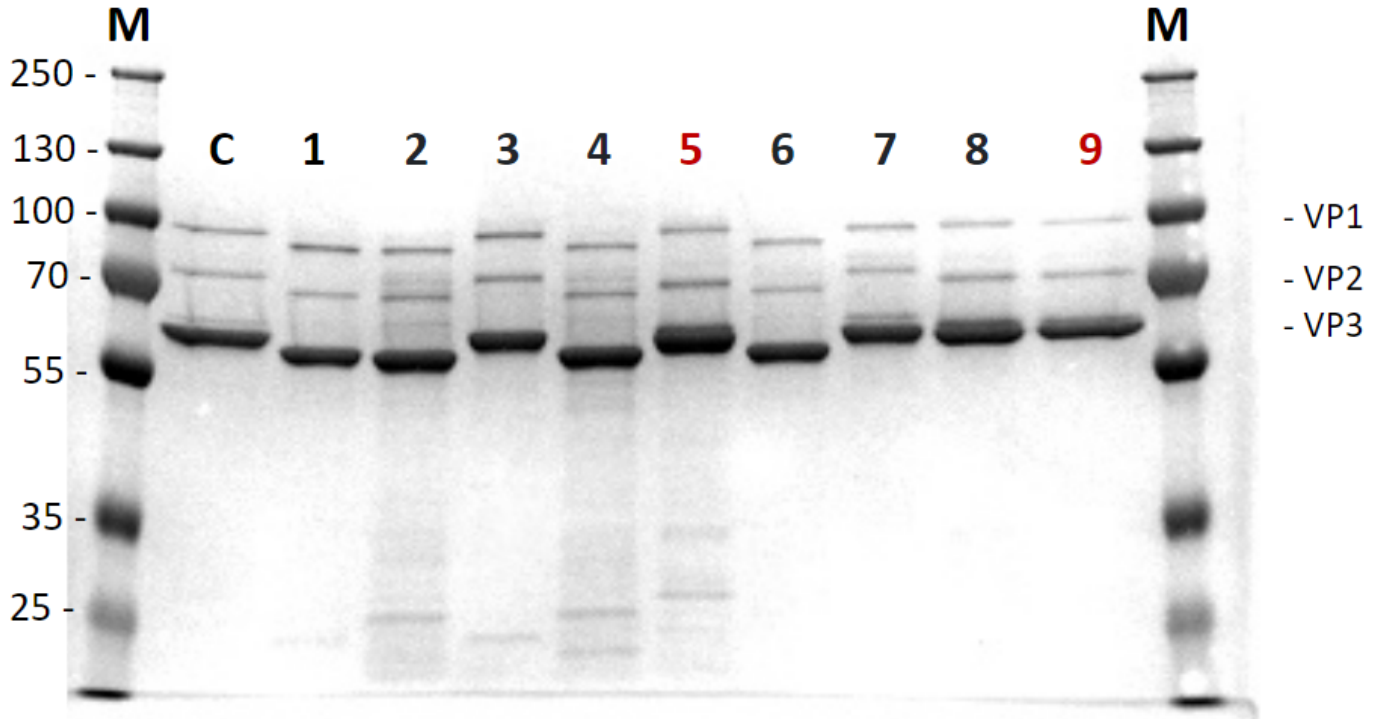
ITR qPCR analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and InstantBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).



Product Titers

Lot 23-266: 2E+13 vg/ml & 1E+14 vg/ml

Lot 23-271: 2E+13 vp/ml & 1E+14 vp/ml



Lane M: Protein Ladder

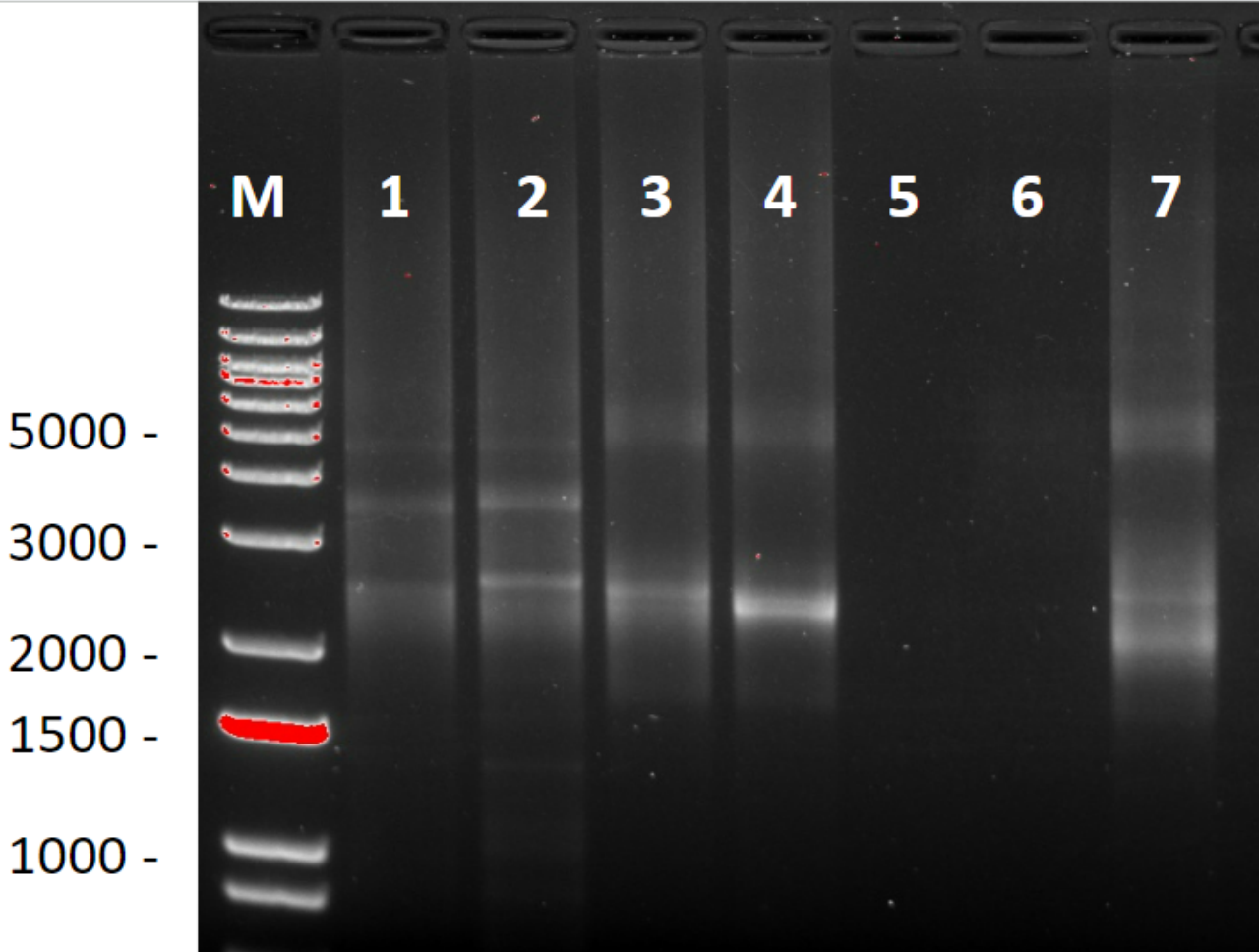
Lane C: AAV8 Standard Control 1E+11vg Loaded

Lane 5: AAV5-Empty Lot 23-271 1E+11vp Loaded

Lane 9: AAV5-CMV-GFP Lot 23-266 1E+11vp Loaded

Other samples are not relevant to this batch.

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



Lane M: DNA 1 KB Ladder

Lane 1: Lot 23-266 AAV5-CMV-GFP 1E+11vg Loaded

Lane 5: Lot 23-271 AAV5-Empty 1E+11 vp Loaded

Other samples are not related.

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team

Date: 2023-07-14