



CERTIFICATE OF ANALYSIS

VVK10013245 Project#3
117BUCSF89

Products

Purified AAV2-Y444F-CAG-mWGA (Lot: 24-164)

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

2024-04-18

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-Y444F-CAG-mWGA was produced in Sf9 cells by infection with rBV-UCSF89 (CAG-mWGA-mCherry) and rBV-Y444F-Cap2-inRep. The final buffer is 1xPBS + 0.001% pluronic F-68 + 100 mM sodium citrate.

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The vectors were then sterilized via filtration with 0.22 µm filters.

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

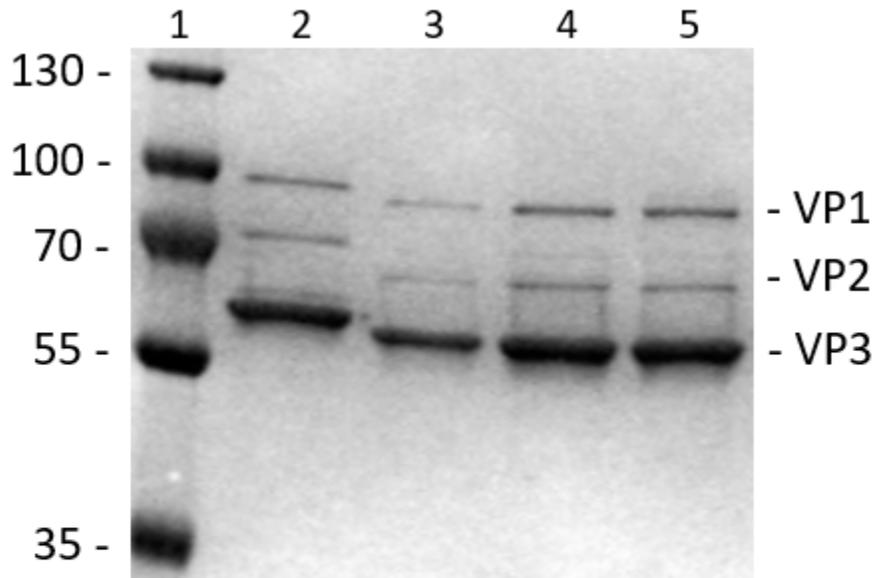
Quality Control Data

qPCR or Nanodrop analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and SimplyBlue 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 24-164: 2E+13 vg/ml



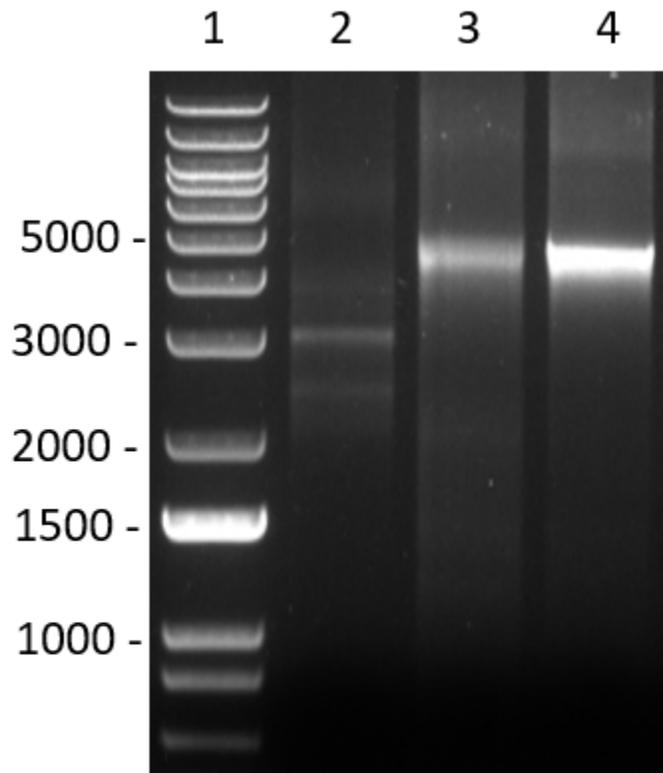
Lane 1: Protein Ladder

Lane 2: AAV8 Standard Control 1E+11vg Loaded

Lane 4: 24-163 AAV2.Y444F-CAG.DIO-mWGA-mCherry 1E+11vg Loaded

Lane 5: 24-164 AAV2.Y444F-CAG-mWGA-mCherry 1E+11vg Loaded

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



Lane 1: 1KB DNA Ladder

Lane 3: 24-163 AAV2.Y444F-CAG.DIO-mWGA-mCherry 1E+11vg Loaded

Lane 4: 24-164 AAV2.Y444F-CAG-mWGA-mCherry 1E+11vg Loaded

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team

Date: 2024-04-18