



CERTIFICATE OF ANALYSIS

VVK10012230 Project #1, VVK10012230 Project #2

Products

Purified AAV9-hSYN-mCherry (Lot: 23-116)

Purified AAV9-hSYN-GFP (Lot: 23-117)

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

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

- AAV9-hSYN-mCherry was produced in Sf9 cells by infection with rBV-inCap9-inRep-kozak-hr2 and rBV-hSYN-mCherry. The final buffer is 1xPBS + 0.001% pluronic F-68.
- AAV9-hSYN-GFP was produced in Sf9 cells by infection with rBV-inCap9-inRep-kozak-hr2 and rBV-hSYN-GFP. The final buffer is 1xPBS + 0.001% pluronic F-68.

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 $0.22\ \mu\text{m}$ filters.

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

Quality Control Data

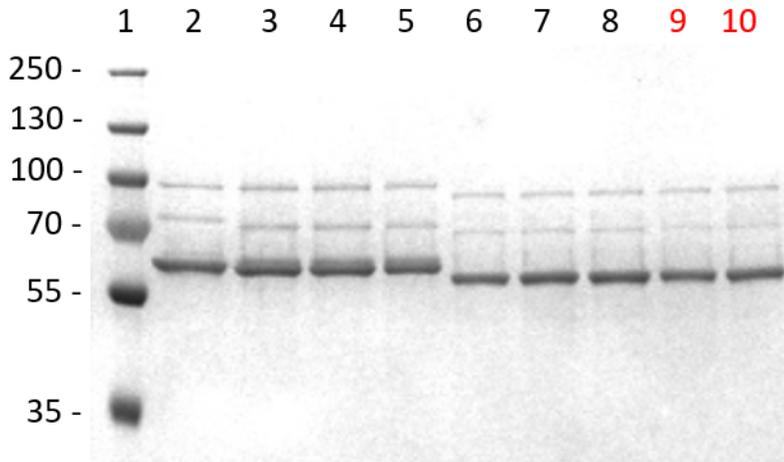
qPCR or Nanodrop analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and SimplyBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).



Product Titers

Lot 23-116: 1E+14 vg/ml

Lot 23-117: 1E+14 vg/ml



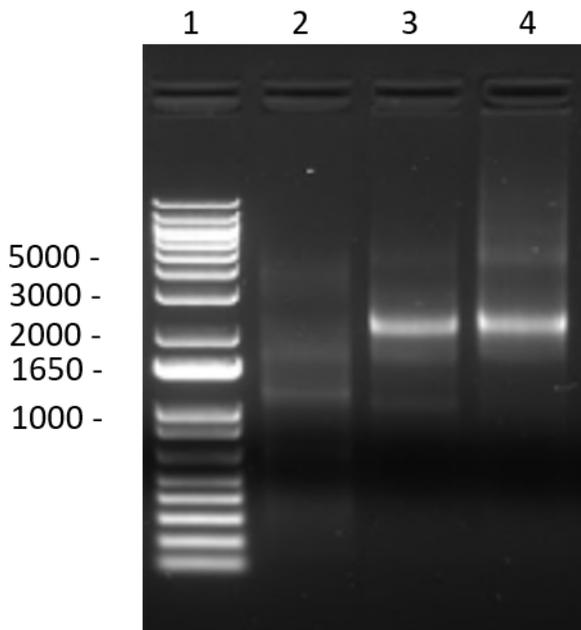
Lane 1: Protein Ladder

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

Lane 9: 23-116 AAV9-hSYN-mCherry 1E+11vg Loaded

Lane 10: 23-117 AAV9-hSYN-GFP 1E+11vg Loaded

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



Lane 1: DNA 1KB Ladder

Lane 3: 23-116 AAV9-hSYN-mCherry 1E+11vg Loaded

Lane 4: 23-117 AAV9-hSYN-GFP 1E+11vg Loaded

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team

Date: 2023-03-24