VIROVEK

CERTIFICATE OF ANALYSIS

449B545

Products

AAV2-CMV-GFP (Lot: 24-039)

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

2024-05-03

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

The AAV2-CMV-GFP vectors were produced in insect Sf9 cells by dual infection with rBV-inCap2-inRep and rBV-CMV-GFP. The final buffer is 1xPBS + 0.001% pluronic F-68 + 100mM sodium citrate. Catalog Identifier: 449B545-2

The AAV2-CMV-GFP vectors were produced in insect Sf9 cells by dual infection with rBV-inCap2-inRep and rBV-CMV-GFP. The final buffer is 1xPBS + 5% sorbitol + 0.001% pluronic F-68. Catalog Identifier: 449B545-2S

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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 µm 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).

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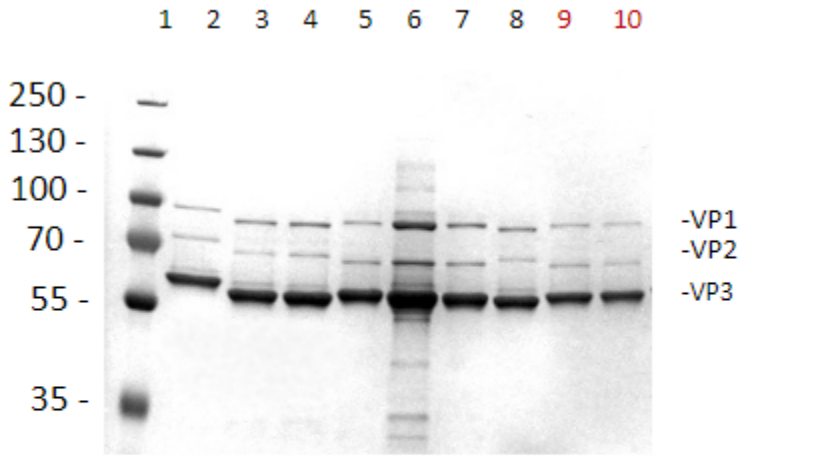
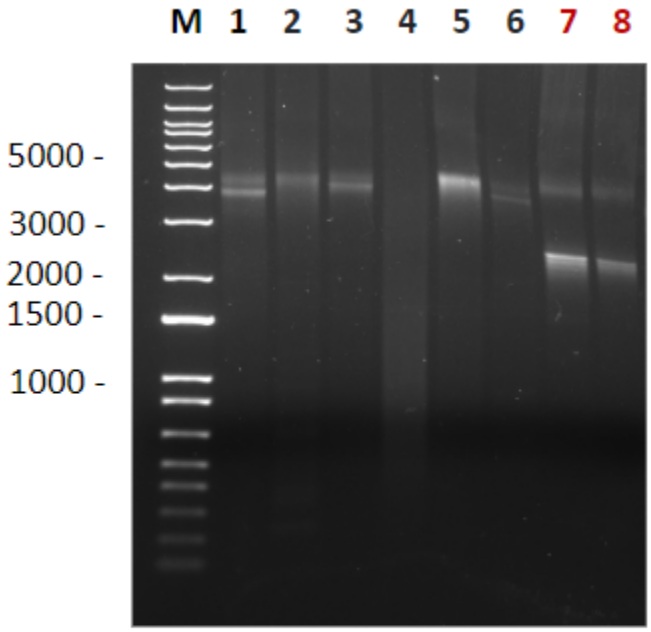
Product Titers
2.00E+13 vg/ml



Lane 1: Protein Ladder
Lane 2: AAV8 Standard Control 1E+11vg Loaded
Lane 3-6: Not relevant to this project
Lane 9: 24-039 Buffer B,AAV2-CMV-GFP, 1E+11vg Loaded
Lane 10: 24-039 Buffer S,AAV2-CMV-GFP, 1E+11vg Loaded

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



Lane M: DNA 1 KB Ladder
Lane 1 -6 : Not relevant to this project
Lane 7: 24-039 Buffer B,AAV2-CMV-GFP, 1E+11vg Loaded
Lane 8: 24-039 Buffer S,AAV2-CMV-GFP, 1E+11vg Loaded

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team Date: 2024-05-03