CERTIFICATE OF ANALYSIS

Product Name: Purified AAV8-EMPTY
Catalog Number: 288B000
Lot Number: 23-351

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 overnight express shipment

Manufacture Date

2023-10-09

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

AAV8-EMPTY was produced in Sf9 cells by infection with rBV- inCap8-inRep-kozak-hr2 only. The vectors were purified through 2 rounds of CsCl ultracentrifugation. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

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

Quality Control Data

The vector was sterilized via filtration with 0.22 µm filters. AAV8-Empty was tested by Thermo Fisher Nanodrop to measure the Optical Density and by QuantStudio ITR qPCR. Both values are used to determine the final AAV titer. The OD value of the AAV-empty will apply to a standard curve of a Known AAV-GOI sample to calculate the relative concentration (vg/ml). The qPCR value of AAV-Empty is the same as the negative control.

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 Titer
Lot 23-351: 1.00E+14 vg/ml; 2E+13 vg/ml
Aliquot Volume: 1.0ML; 0.5ML; 0.1ML

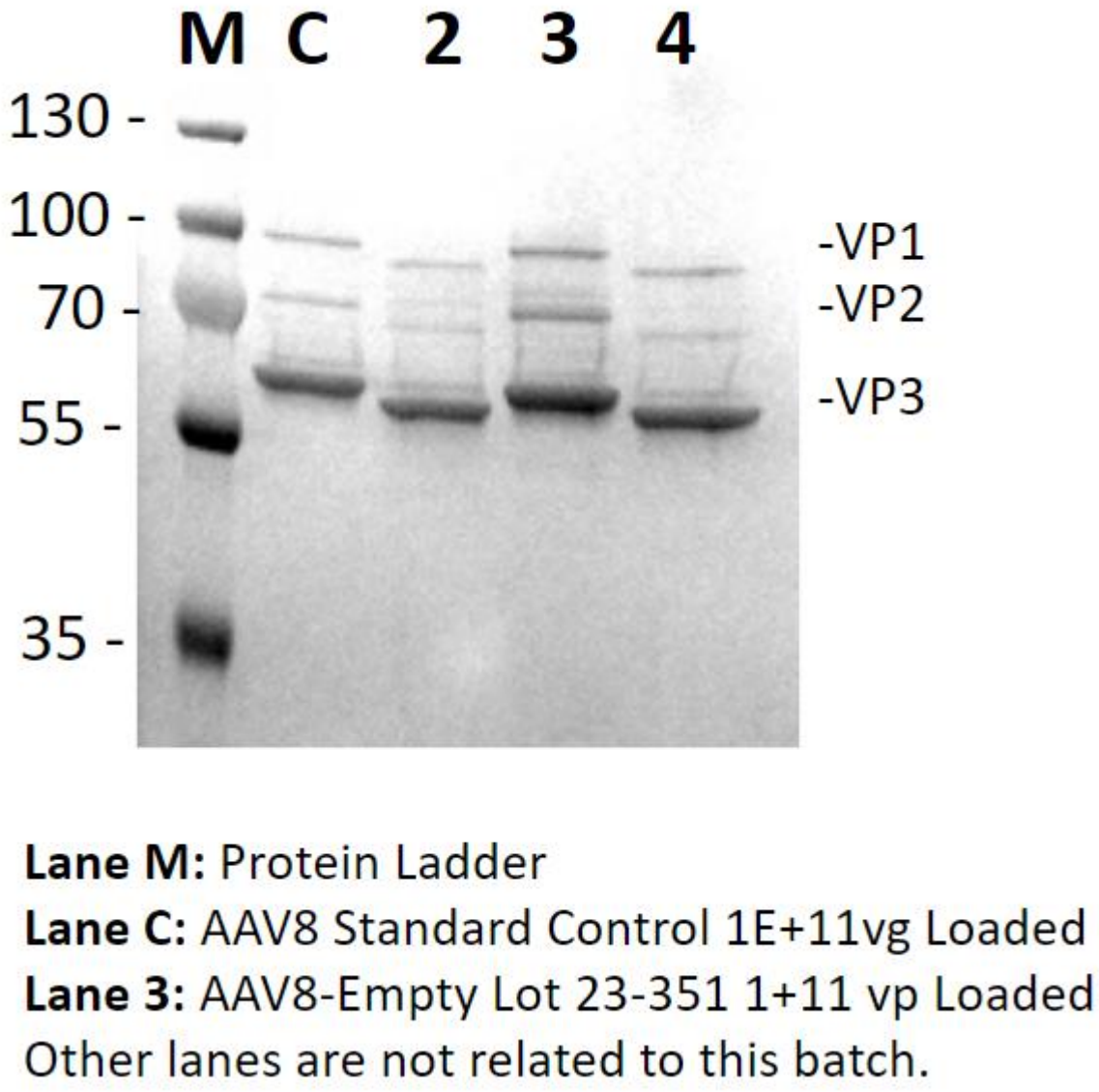

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV8-Empty (Lot: 23-351).

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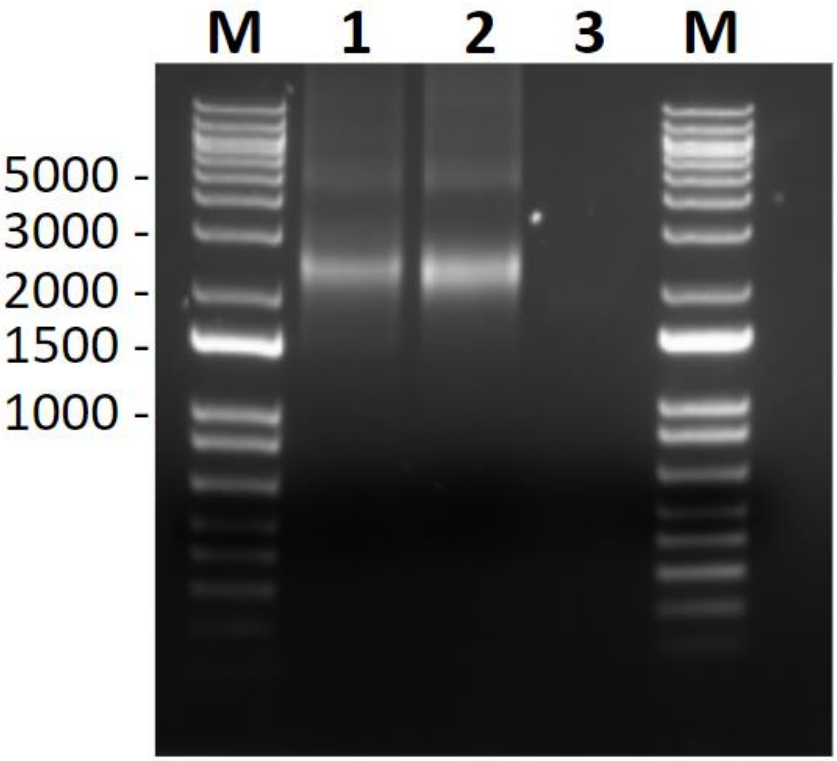

Lane M: 1KB DNA Ladder
Lane 3: AAV8-Empty Lot 23-351 1+11 vp Loaded
Other lanes are not related to this batch.

Fig. 2: DNA agarose gel of purified AAV8-Empty (Lot: 23-351).

Approved By: QA/QC Team Date: 2023-10-09

Revision 1: 2024-07-26