VIROVEK

CERTIFICATE OF ANALYSIS

Product

Purified AAV2-CMV-GFP, (Lot: 23-019)

Purified AAV2-CMV-GFP, (Lot: 23-020)

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.

Shelf Life

5 years when stored at -80°C.

Shipping Conditions

Dry Ice overnight express shipment

Description

AAV2-CMV-GFP was produced in Sf9 cells by infection with rBV- inCap2-K2R-inRep-kozak-hr2 and rBV-CMV-GFP. The vectors were purified through 2 rounds of CsCl ultracentrifugation. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

The final buffer is 1xPBS + 0.001% pluronic F-68 + 100 mM sodium citrate.

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

Quality Control Data

The vectors were sterilized via filtration with 0.22 µm filters. qPCR 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 Titer
Lot 23-019: 2E+13 vg/ml
Lot 23-020: 2E+13 vg/ml

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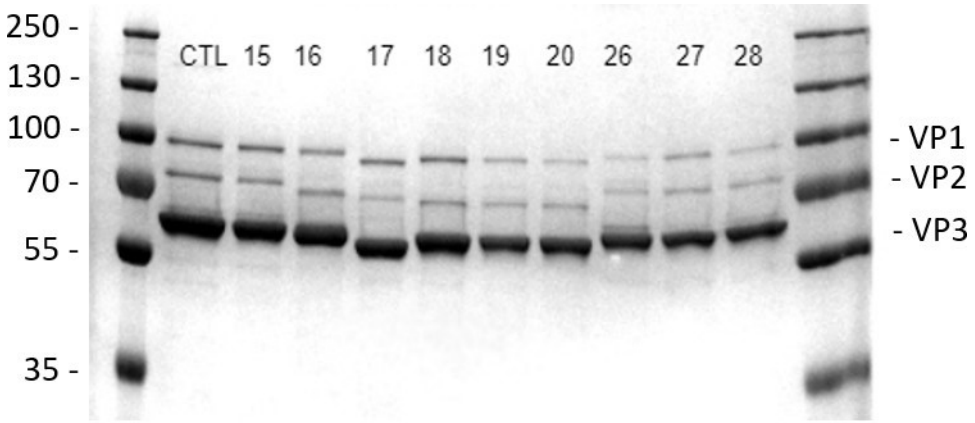
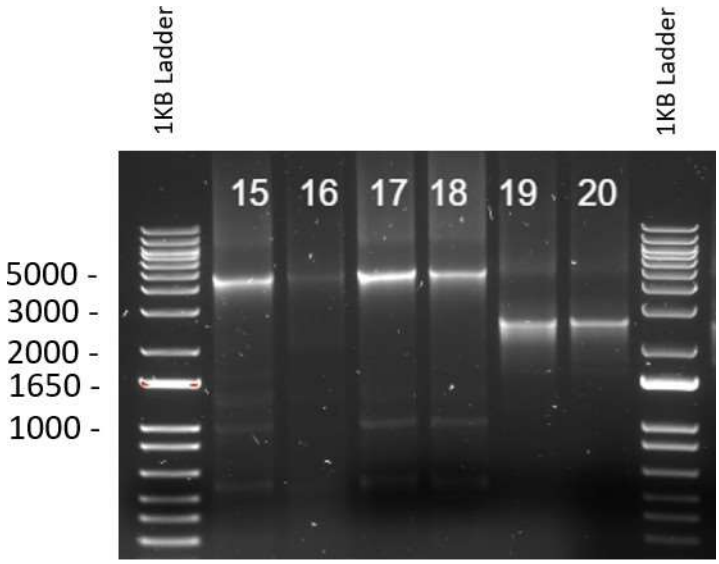


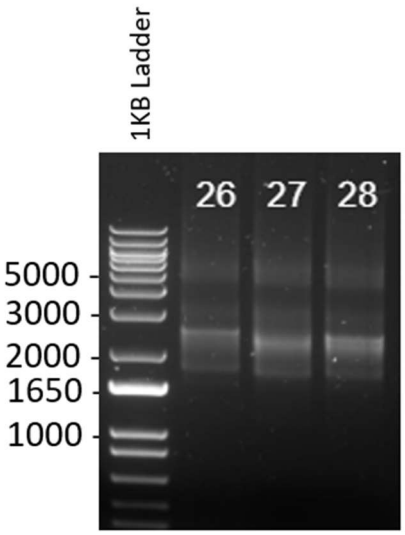
Lane CTL: Positive Control AAV8 1E+11vg Loaded
Lane 15: 23-015 AAV8-CMV-LacZ 1E+11vg Loaded
Lane 16: 23-016 AAV5-CMV-LacZ 1E+11vg Loaded
Lane 17: 23-017 AAV9-CMV-LacZ 1E+11vg Loaded
Lane 18: 23-018 AAV2-CMV-LacZ 1E+11vg Loaded
Lane 19: 23-019 AAV2-CMV-GFP 1E+11vg Loaded
Lane 20: 23-020 AAV2-CMV-GFP 1E+11vg Loaded
Lane 26: 23-026 AAV8-CMV-GFP 1E+11vg Loaded
Lane 27: 23-027 AAV8-CMV-GFP 1E+11vg Loaded
Lane 28: 23-028 AAV8-CMV-GFP 1E+11vg Loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV-CMV-LacZ (Lot: 23-015 to 23-018).

SDS-PAGE and InstantBlue Staining of Purified AAV2-CMV-GFP Lot: 23-019 & 23-020



Lane 15: 23-015 AAV8-CMV-LacZ 1E+11vg Loaded
Lane 16: 23-016 AAV5-CMV-LacZ 1E+11vg Loaded
Lane 17: 23-017 AAV9-CMV-LacZ 1E+11vg Loaded
Lane 18: 23-018 AAV2-CMV-LacZ 1E+11vg Loaded
Lane 19: 23-019 AAV2-CMV-GFP 1E+11vg Loaded
Lane 20: 23-020 AAV2-CMV-GFP 1E+11vg Loaded



Lane 26: 23-026 AAV8-CMV-GFP 1E+11vg Loaded
Lane 27: 23-027 AAV8-CMV-GFP 1E+11vg Loaded
Lane 28: 23-028 AAV8-CMV-GFP 1E+11vg Loaded

Fig. 2: DNA agarose gel of purified AAV-CMV-LacZ (Lot: 23-015 to 23-018), AAV8-CMV-GFP (Lot: 23-026 to 23-028)

DNA Agarose gel of Purified AAV2-CMV-GFP Lot: 23-019 & 23-020

Approved By: QA/QC Team Date: 2023-02-07