



CERTIFICATE OF ANALYSIS

Cat.#: 449B000

Purified AAV2-Empty Lot 24-409E

Storage Conditions

The AAV vector should be stored at -80°C for long term usage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C.

Instruction

AAV2 tends to form aggregates easily. Please vortex, sonicate, and place samples in 37°C water bath for 20-30 minutes prior to usage.

Manufacture Date

2024-10-10

Shelf Life

5 years when stored at -80°C. Minimize the freeze and thaw cycle.

Description

AAV2-Empty was produced by collecting the empty AAV capsid by-product from a full AAV capsid production with insect Sf9 cells by infection with rBV-inCap2-inRep-kozak-hr2.

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. The final formulation buffer for all batches is 1xPBS + 0.001% pluronic F-68.

The vectors are for research use only, not for any human use.

Capsid Titer

The titer of AAV2-Empty particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve. The qPCR value of AAV2-Empty is the same as the negative control.

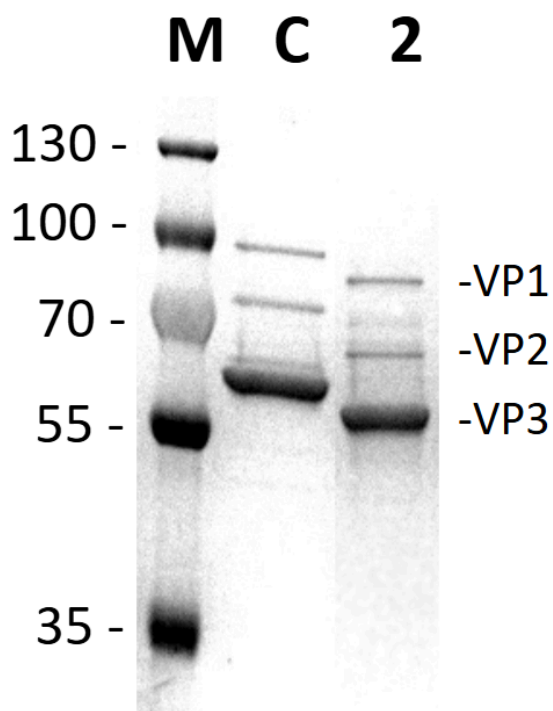
Quality Control Data

SDS-PAGE and InstantBlue Staining (Invitrogen) verified the purity of the vectors (Fig. 1). OD analysis determined the titers of the AAV samples. DNA agarose gel electrophoresis was used to verify any genome contamination (Fig. 2).

Product titer:

Lot 24-409E, Cat.#449B000-2 : 2E+13vp/ml

Lot 24-409E, Cat.#449B000-10 : 1E+14vp/ml

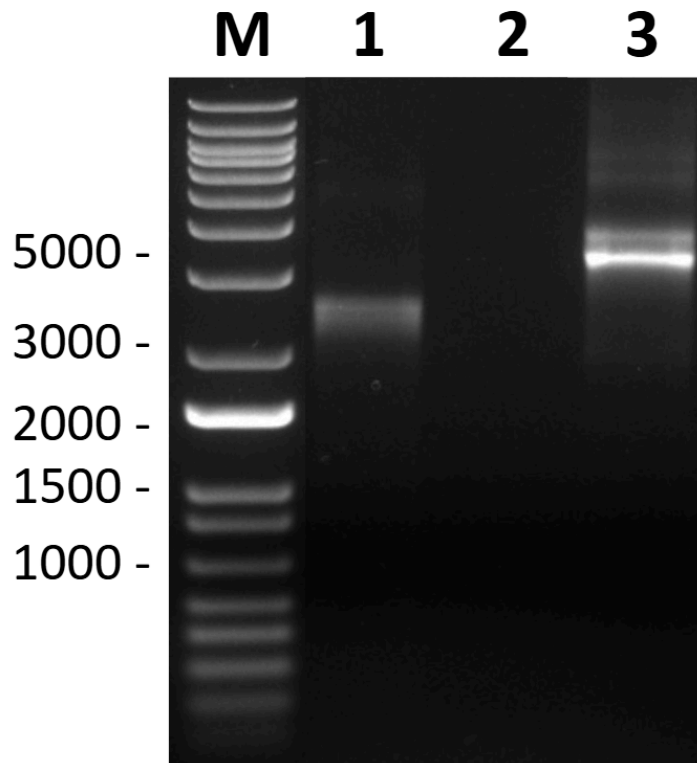


Lane M: Protein Ladder

Lane C: AAV8 Standard Control, 1E+11vg Loaded

Lane 2: AAV2-Empty, Lot 24-409E 1E+11vp Loaded

Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-Empty.



Lane M: 1KB DNA Ladder

Lane 2: AAV2-Empty, Lot 24-409E 1E+11vp Loaded

Lane 1 and 3 are not related to this batch.

Approved by: QA/QC Team

Date: 2025-01-16