



CERTIFICATE OF ANALYSIS

Purified AAV2-Empty Lot 24-272

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 and sonicate the sample prior to usage.

Shelf Life

5 years when stored at -80°C. Minimize the freeze and thaw cycle.
Manufactured on **21-Jun-2024**.

Shipping Conditions

Dry Ice Overnight Express

Description

AAV2-Empty was produced in insect Sf9 cells by infection with rBV-inCap2-inRepCap-kozak-hr2 (V449).

The vectors were purified through 1 round of AAVX Column. The eluent was sterilized by 0.22 µm filter and buffer exchanged with a pre-sterilized Amicon. The AAV vector was formulated in 1xPBS buffer pH7.4, containing 0.001% pluronic F-68.

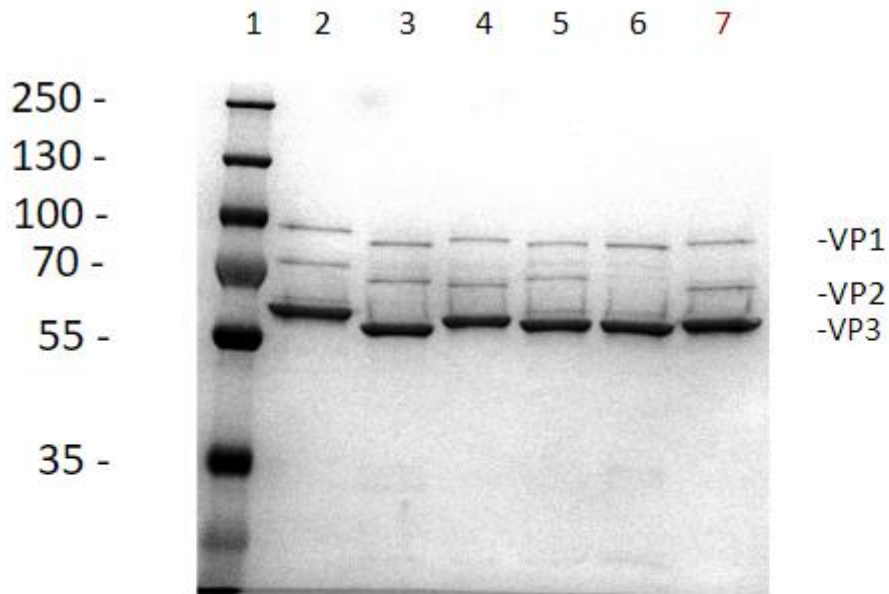
The vectors are for research use only, not for any human use.

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. The final dilution at 1E+14 vp/mL and 2E+13 vp/mL was made by the formulation buffer.

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.



Lane 1: Protein Ladder
Lane 2: AAV8 Standard Control 1E+11vg Loaded
Lane 3-6: Not relevant to this project
Lane 7: 24-272, AAV2-EMPTY, 1E+11vg Loaded

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

Approved by: QA/QC Team

Date: June 24, 2024