



CERTIFICATE OF ANALYSIS

Purified AAV9-Empty,
Lot #23-049

Purified AAV2-Empty
Lot #23-032

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

Vortex and spin briefly before use.

Shelf Life

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

Shipping Conditions

Dry Ice Overnight Express

Description

AAV9-empty was produced in insect Sf9 cells by infection with rBV-inCap9-inRep-kozak-hr2 (V289) and rBV-inCap2-inRep (V449) was used for AAV2-Empty.

The vectors were purified through 2 rounds of CsCl ultracentrifugations. The CsCl was removed through buffer exchange with 2 PD-10 desalting columns.

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

Capsid Titer

The titer of AAV9-EMPTY and AAV2-Empty particles was determined by measuring the OD value with Nano Drop and plotting against a known AAV standard curve. The final dilution at 2E+13 vp/mL was made in the formulation buffer.

Quality Control Data

The AAV vectors were formulated in 1xPBS buffer pH7.4, containing 0.001% pluronic F-68, and sterilized with 0.22µm low protein-binding filter. SDS-PAGE and InstantBlue Staining (Expedeon) verified the purity of the vectors (Fig. 1). Agarose Gel Electrophoresis was used to verify the emptiness of the virus particles.

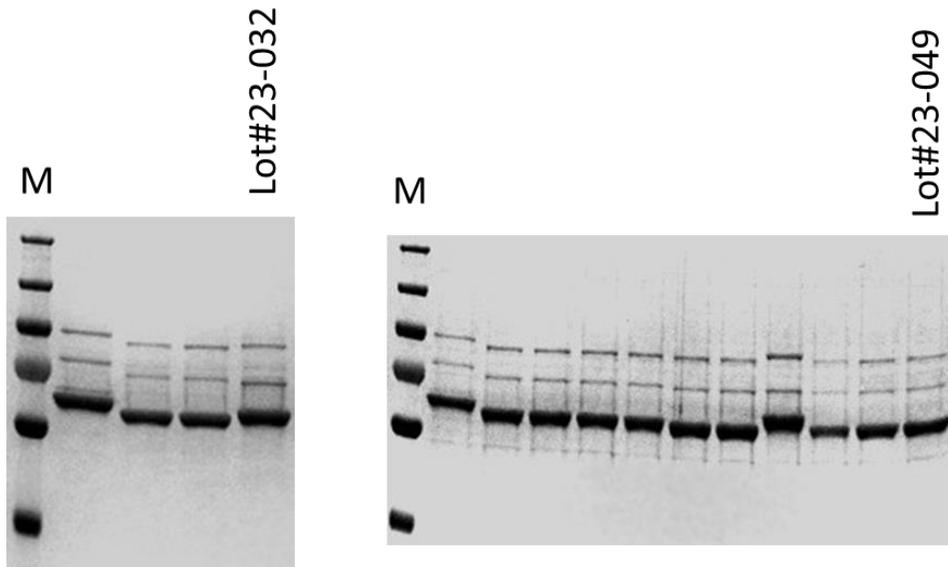


Fig. 1. SDS-PAGE and InstantBlue Staining of purified AAV2-empty (Lot: 23-032) and AAV9-Empty (Lot # 23-049).

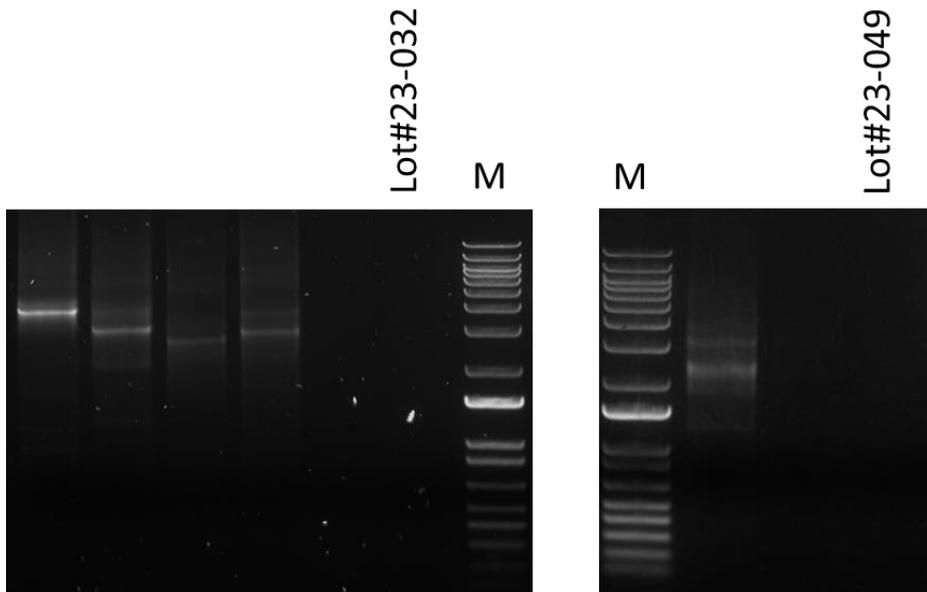


Fig. 2. Agarose Gel Electrophoresis and SYBR-Safe staining of AAV2-Empty (Lane 6, Lot#23-032) and AAV9-Empty (Lane 3, Lot#23-049)

Approved by: Santanu Raychaudhuri

Date: March 23, 2023