Adenovirus 21, AV1645

Catalog No. NR-56500

For research use only. Not for use in humans.

Contributor:
National Institute of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Manufacturer:
BEI Resources

Product Description:

Virus Classification: Adenoviridae, Mastadenovirus B
Species: Adenovirus 21 (also referred to as adenovirus B21)
Strain: AV1645
Original Source: Adenovirus (ADV) 21, AV1645 was isolated in 1956 from pediatric human conjunctival scrapings from a patient with trachoma in Saudi Arabia.
Comments: The NIAID isolate (V-221-011-514) was found to be contaminated with Mycoplasma and after reconstitution was treated with diethyl ether and passaged three times in HEK-293 (ATCC® CRL-1573™) cells to cure it of contamination, then grown an additional passage in HEK-293 to produce NR-56500. The complete genome of ADV 21, AV1645 has been sequenced (GenBank: AY601633).
Note: This strain replicates very slowly and is weakly oncogenic.

Material Provided:
Each vial contains approximately 1 mL of cell lysate and supernatant from Homo sapiens embryonic kidney cells (HEK-293; ATCC® CRL-1573™) infected with ADV 21, AV1645.
Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-56500 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:
Host: Homo sapiens embryonic kidney cells (HEK-293; ATCC® CRL-1573™)
Growth Medium: Eagle's minimum essential medium modified to contain Earle's Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 milligrams per liter sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent
Infection: Cells should be approximately 80 to 90% confluent
Incubation: 9 to 12 days at 37°C and 5% CO2
Cytopathic Effect: Cell rounding and detachment

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Adenovirus 21, AV1645, NR-56500."

Biosafety Level: 2

Disclaimers:
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