

Adenovirus 10, JJ

Catalog No. NR-53907

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*

Species: Adenovirus 10 (also referred to as human
mastadenovirus D10)

Strain: JJ (also referred to as J.J.)

Original Source: Adenovirus (ADV), 10 was isolated prior to
1963 from an eye swab from a patient with conjunctivitis in
Washington, D.C., USA.

Comments: The original isolate deposited with
ATCC® (VR-11™) was found to be contaminated with
Mycoplasma orale, and was provided uncured to Abbott
Laboratories, who produced the lyophilized material for
NIAID (BEI Resources NR-51435™). NR-51435 was
treated with diethyl ether and passaged in A549 cells to cure
it of mycoplasma contamination and was then used to
produce this item. The complete genome of ADV 10, JJ has
been sequenced (GenBank: [AB724351](#)).

Material Provided:

Each vial contains approximately 1 mL of cell lysate and
supernatant from *Homo sapiens* lung carcinoma cells (A549;
ATCC® CCL-185™) infected with ADV 10, JJ.

Note: If homogeneity is required for your intended use, please
purify prior to initiating work.

Packaging/Storage:

NR-53907 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* lung carcinoma cells (A549; ATCC®
CCL-185™)

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: 4 to 6 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 10, JJ, NR-53907."

Biosafety Level: 2

Appropriate safety procedures should always be used with this
material. Laboratory safety is discussed in the following
publication: U.S. Department of Health and Human Services,
Public Health Service, Centers for Disease Control and
Prevention, and National Institutes of Health. Biosafety in
Microbiological and Biomedical Laboratories. 6th ed.
Washington, DC: U.S. Government Printing Office, 2020; see
www.cdc.gov/biosafety/publications/bmb15/index.htm.

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