Recombinant Murine Coronavirus, JHM.SD (Wild Type)

Catalog No. NR-53718

For research use only. Not for use in humans.

Contributor:
Susan R. Weiss, Professor of Microbiology, Department of Microbiology, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania, USA

Manufacturer:
BEI Resources

Product Description:

Virus Classification:  Coronaviridae, Betacoronavirus

Species:  Murine coronavirus [formerly murine hepatitis virus (MHV)]

Isolate:  JHM.SD (also referred to as JHM and MHV-4)

Original Source:  Murine coronavirus, JHM.SD is a recombinant virus derived from MHV, JHM, a naturally occurring neurotropic virus.1,2,3

Comments:  Wild-type recombinant JHM (rJHM) is phenotypically indistinguishable from the parental wild type.1 The complete genome of MHV, JHM has been sequenced (GenBank: AC_000192).

Material Provided:
Each vial contains approximately 1.0 mL of cell lysate and supernatant from murine 17Cl-1 cells infected with recombinant murine coronavirus, JHM.SD.

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

Packaging/Storage:
NR-53718 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:  Murine 17Cl-1 cells (BEI Resources NR-53719)

Growth Medium:  Dulbecco's Modified Eagle's Medium (DMEM) modified to contain 4 mM L-glutamine, 4500 mg per L glucose, 1 mM sodium pyruvate and 1500 mg per L sodium bicarbonate supplemented with 2% fetal bovine serum or equivalent

Infection:  Cells should be 70% to 80% confluent

Incubation:  1 to 4 days at 37°C and 5% CO2

Cytopathic Effect:  Cell rounding and sloughing

Citation:  Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Recombinant Murine Coronavirus, JHM.SD (Wild Type), NR-53718.”

Biosafety Level:  2


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References: