Middle East Respiratory Syndrome Coronavirus, Isolate Hu/Jordan-N3/2012 (WCCM)

Catalog No. NR-58615

For research use only. Not for use in humans.

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Manufacturer: BEI Resources

Product Description:

Virus Classification: Coronaviridae, Betacoronavirus
Species: Middle East respiratory syndrome coronavirus
Original Source: Middle East respiratory syndrome coronavirus (MERS-CoV), isolate Hu/Jordan-N3/2012 was isolated from a bronchial washing from a human in April 2012.
Comments: The complete genome of MERS-CoV, Hu/Jordan-N3/2012 has been sequenced (GenBank: KC776174).

Material Provided:

Each vial contains approximately 1.0 mL of cell lysate and supernatant from human colon adenocarcinoma cells (Caco-2; ATCC® HTB-37™) infected with MERS-CoV, Hu/Jordan-N3/2012.

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

Packaging/Storage:

NR-58615 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: Human colon adenocarcinoma cells (Caco-2; ATCC® HTB-37™)
Growth Medium: Eagle’s Minimum Essential Medium containing Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate and 1.5 g/L of sodium bicarbonate supplemented with 2% fetal bovine serum, or equivalent
Infection: Cells should be 60% confluent
Incubation: 2 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:

Middle East Respiratory Syndrome Coronavirus, Isolate Hu/Jordan-N3/2012 (WCCM), NR-58615.”

Biosafety Level: 3


Disclaimers:

You are authorized to use this product for research use only. This product is not intended for human use.

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Page 1 of 1