

**Middle East Respiratory Syndrome Coronavirus, Isolate Hu/Jordan-N3/2012**

**Catalog No. NR-59312**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Virus Classification: *Coronaviridae, Betacoronavirus*

Species: Middle East respiratory syndrome coronavirus

Strain/Isolate: Hu/Jordan-N3/2012

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-59312 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% CO<sub>2</sub>

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, NR-59312."

**Biosafety Level: 3**

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 \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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