

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

**Catalog No. NR-59312**

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

### Contributor:

Connie Schmaljohn, Ph.D., Integrated Research Facility, United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Maryland, USA; Kimberly A. Bishop-Lilly, Genomics and Bioinformatics, Naval Medical Research Command, Fort Detrick, Maryland, USA

### 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 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 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). Current Edition. Washington, DC: U.S. Government Printing Office.

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