

**Middle East Respiratory Syndrome Coronavirus (MERS-CoV), EMC/2012, Heat-Inactivated**

**Catalog No. NR-50171**

**For research use only. Not for human use.**

**Contributor**

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**Manufacturer:**

BEI Resources

**Product Description:**

NR-50171 is a preparation of Middle East Respiratory Syndrome Coronavirus (MERS-CoV), EMC/2012<sup>1,2</sup> that has been inactivated by heating to 65°C for 15 minutes.

**Material Provided:**

Each vial contains approximately 0.25 mL of heat-inactivated, clarified cell lysate and supernatant from Vero E6 cells infected with MERS-CoV, EMC/2012. The vial should be centrifuged prior to opening.

**Packaging/Storage:**

NR-50171 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. Freeze-thaw cycles should be avoided.

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Middle East Respiratory Syndrome Coronavirus (MERS-CoV), EMC/2012, Heat-Inactivated, NR-50171."

**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. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Zaki, A. M., et al. "Isolation of a Novel Coronavirus from a Man with Pneumonia in Saudi Arabia." *N. Engl. J. Med.* 367 (2012): 1814-1820. PubMed: 23075143.
2. van Boheemen, S., et al. "Genomic Characterization of a Newly Discovered Coronavirus Associated with Acute Respiratory Distress Syndrome in Humans." *mBio*. 6 (2012): e00473-12. PubMed Central: 3509437.

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