

Middle East Respiratory Syndrome Coronavirus, EMC/2012, Heat-Inactivated

Catalog No. NR-50171

For research use only. Not for use in humans.

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 that has been inactivated by heating to 65°C for 30 minutes.

MERS-CoV, EMC/2012 was isolated in 2012 from an elderly man with fatal pneumonia in Saudi Arabia.¹ The complete genome of MERS-CoV, EMC/2012 has been sequenced (GenBank: [JX869059](https://www.ncbi.nlm.nih.gov/nuccore/JX869059)).²

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.

Note: The long-term stability of this preparation is not known at this time. It is recommended that users confirm the activity of the product if not used within three months of receipt. You may also contact BEI Resources for updated stability information.

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. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. 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, 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, 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

Disclaimers:

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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*. 3 (2012): e00473-12. PubMed: 23170002.

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