

**Middle East Respiratory Syndrome
Coronavirus (MERS-CoV), EMC/2012,
Irradiated Infected Cell Lysate**

Catalog No. NR-50549

For research use only. Not for human use.

Contributor:

Ron A. M. Fouchier, Ph.D. and Bart L. Haagmans, Ph.D.,
Viroscience Lab, Erasmus Medical Center, Rotterdam, the
Netherlands

Manufacturer:

BEI Resources

Product Description:

A crude preparation of Vero E6 cells (ATCC® CRL-1586™) infected with MERS-CoV, EMC/2012 was gamma irradiated (5 x 10⁶ RADs) on dry ice followed by sonication.

MERS-CoV, EMC/2012 was isolated from a man with 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 0.5 mL of irradiated cell lysate and supernatant from Vero E6 cells (ATCC® CRL-1586™) infected with MERS-CoV, EMC/2012. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-50549 was packaged aseptically in screw-capped plastic cryovials. The product is provided frozen on dry ice and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be minimized.

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, Irradiated Infected Cell Lysate, NR-50549.”

Biosafety Level: 1

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.

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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