

Genomic RNA from Porcine Respiratory Coronavirus, ISU-1

Catalog No. NR-48572

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Genomic RNA was isolated from a preparation of cell lysate and supernatant from *Sus scrofa* testicular fibroblasts (ST cells, ATCC® CRL-1746™) infected with porcine respiratory coronavirus (PRCV), ISU-1.

PRCV, ISU-1 was isolated by Howard Hill in Indiana, USA in 1990 from a nasal swab of a pig with mild or subclinical respiratory infection.¹ The complete genome of the ISU-1 strain has been sequenced (GenBank: [DQ811787](#)).

NR-48572 has been qualified for PCR applications by amplification of an approximately 1200 nucleotide sequence. Recommended dilutions for successful RT-PCR amplification are indicated on the Certificate of Analysis for each lot.

Material Provided:

Each vial contains approximately 100 µL of viral genomic RNA in TE buffer (10 mM Tris-HCl, 1 mM EDTA, pH 7.0). The viral genomic RNA is in a background of cellular nucleic acid and carrier RNA. The vial should be centrifuged prior to opening.

Packaging/Storage:

NR-48572 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: Genomic RNA from Porcine Respiratory Coronavirus, ISU-1, NR-48572."

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. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Hill, H., et al. "Porcine Respiratory Coronavirus Isolated from Two U.S. Swine Herds." Proc. 21st Ann. Meet. Am. Assoc. Swine Pract. Ed. T.A. Neuzil. American Association of Swine Practitioners, Des Moines, Iowa, 1990. 333-335.

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