Genomic RNA from Alphacoronavirus 1, Purdue P115 (attenuated) (formerly Porcine Transmissible Gastroenteritis Virus)

Catalog No. NR-48571

For research use only. Not for use in humans.

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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 alphacoronavirus 1, Purdue P115 (attenuated). Alphacoronavirus 1, (formerly porcine transmissible gastroenteritis virus), Purdue was isolated from the small intestinal contents of a young pig with diarrhea, vomiting, and dehydration.1 The virus was propagated in primary porcine kidney (PPK) cells for 115 passages and then in swine testicular (ST) cells for more than 6 passages.2 The complete genome of the attenuated Purdue P115 strain has been sequenced (GenBank: DQ811788).3

NR-48571 has been qualified for PCR applications by amplification of an approximately 1160 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-48571 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 Alphacoronavirus 1, Purdue P115 (attenuated) (formerly Porcine Transmissible Gastroenteritis Virus), NR-48571.”

Biosafety Level: 1

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References:
1. ICTV Taxonomy History for Alphacoronavirus 1

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