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

Catalog No. NR-43285
Derived from BEI Resources NR-446

For research use only. Not for human use.

Contributor:
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Manufacturer:
BEI Resources

Product Description:

Virus Classification: Coronaviridae, Coronavirinae, Alphacoronavirus
Species: Alphacoronavirus 1, (formerly porcine transmissible gastroenteritis virus (TGEV))
Strain: Purdue P115 (attenuated)
Original Source: Porcine TGEV, Purdue was isolated from the small intestinal contents of a young pig with diarrhea, vomiting, and dehydration.
Comments: 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. The complete genome of the attenuated Purdue P115 strain has been sequenced (GenBank: DQ811788). NR-43285 was derived from BEI Resources NR-446 by removal of contaminating mycoplasma. This process required six additional passages in ST cells (ATCC® CRL-1746™). NR-446 is no longer available.

Material Provided:
Each vial contains approximately 1 mL of clarified cell lysate and supernatant from Sus scrofa testicular fibroblasts infected with alphacoronavirus 1, Purdue P115 (attenuated).

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
NR-43285 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.

Growth Conditions:
Host: ST cells (ATCC® CRL-1746™)
Growth Medium: Eagle’s Minimum Essential Medium with Earle’s Balanced Salt Solution, non-essential amino acids, 2 mM L-glutamine, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate
Infection: Cells should be 70 to 95% confluent
Incubation: 1 to 5 days at 37°C and 5% CO₂
Cytopathic Effect: Rounding and detachment

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Alphacoronavirus 1, Purdue P115 (attenuated), NR-43285.”

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.

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References:
1. ICTV Taxonomy History for Alphacoronavirus 1

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