**Description**

**Strain:** Purdue (attenuated)

**Classification:** Coronaviridae, Alphacoronavirus, Alphacoronavirus 1

**Common Name:** Transmissible gastroenteritis virus

**Original Source:** Small intestine of infected pig with mild diarrhea

**Depositor:** LJ Saif, Ohio Agricultural Research and Development Center

**Batch-Specific Information**

Refer to the Certificate of Analysis for batch-specific test results.

**Propagation**

**Propagation Host:** Swine testicular cells

**Effect on Host:** CPE and plaques on porcine kidney cells. Can produce diarrhea in newborn pigs.

**Growth Conditions**

- **Temperature:** 37°C
- **Incubation:** 2 days

This is a TC-adapted, attenuated TGE virus which readily produces CPE and plaques on porcine cell cultures. Preparation is contaminated with bacteria and may be filtered through a 0.2 µm filter prior to use. Titer of filtrate will decrease by approximately 1 to 2 logs.

**Comments**

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

**Citation of Strain**

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Transmissible gastroenteritis virus (ATCC® VR-763™)

**References**

References and other information relating to this product are available online at www.atcc.org.

**Key Abbreviations**

- CPE, cytopathic effect
- MEM, minimum essential medium (Eagle)
- PFU, plaque forming units
- PK, pig kidney
- Pr, primary
- TC, tissue culture
- USDA, United States Department of Agriculture

**Biosafety Level:** 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

**ATCC Warranty**

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans.
Product Sheet

Transmissible gastroenteritis virus (ATCC® VR-763™)

Please read this FIRST

Intended Use

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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