ATCC

Product Sheet

Transmissible gastroenteritis virus (ATCC® VR-763™)

Please read this FIRST

Storage Temp.
-70°C or colder

Biosafety Level
2

Intended Use

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™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

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

Comments

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.

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

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This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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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