Description

Strain: OSU (attenuated)
Classification: Reoviridae, Rotavirus
Original Source: clinical specimen - animal
Ohio, United States
Depositor: LJ Saif

Batch-Specific Information

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

Propagation

Propagation Host: MA-104 cells (ATCC CRL-2378.1)

Effect on Host: Yes, in vitro effects: Cytopathic effects, some initial rounding followed by degeneration of cells and eventual sloughing.

CPE, some initial rounding followed by degeneration of cells and eventual sloughing.

Growth Conditions

Temperature: 37.0°C
Duration: 1-4 days; 5% CO2 in air atmosphere is recommended; For best results cells should be 24 to 48 hours old and 90-100% confluent.

Protocol: This rotavirus should be grown in the presence of trypsin or pancreatin and NO serum should be used. Preliminary trials in gnotobiotic pigs indicate that this preparation is attenuated, but no back passages have been done. Cross-reacts with group A rotaviruses from other species. Heat labile (56°C, 30min.). Stable at pH 3.0 and to ether.

Comments

This rotavirus should be grown in the presence of trypsin or pancreatin and NO serum should be used. Preliminary trials in gnotobiotic pigs indicate that this preparation is attenuated, but no back passages have been done. Cross-reacts with group A rotaviruses from other species. Heat labile (56°C, 30min.). Stable at pH 3.0 and to ether.

References

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

Key Abbreviations

AB, antibody
O2 (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagles minimum essential medium
FA, fluorescent antibody
FBS, fetal bovine serum
FITC, fluorescein isothiocyanate
IgG, Immunoglobulin type G
J. Infect. Dis., Journal of Infectious Diseases
MA-104, embryonic rhesus monkey kidney cells
MDBK, bovine kidney cells
min, minute
mL, milliter
MS, mouse
OSU, Ohio State University herd
PBS, phosphate buffered saline

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
PK, pig kidney
Pr, primary
TC, tissue culture
TCID\(_{50}\) (TCID[50]), The Tissue Culture Infectious Dose
50% endpoint is the 50% infectious endpoint in cell culture. The TCID\(_{50}\) is the dilution of virus that under the conditions of the assay can be expected to infect 50% of the culture vessels inoculated, just as a Lethal Dose 50% (LD\(_{50}\)) is expected to kill half of the animals exposed. A reciprocal of the dilution required to yield the TCID\(_{50}\) provides a measure of the titer (or infectivity) of a virus preparation.
mg, microgram

© ATCC 2003. All rights reserved.
ATCC® is a registered trademark of the American Type Culture Collection.
06/2003 dw

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. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate. 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 insure 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](http://www.atcc.org).

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

© ATCC 2018. All rights reserved. ATCC is a registered trademark of the American Type Culture Collection. [08/13]