Strain: Dearing
Classification: Reoviridae, Orthoreovirus, Mammalian orthoreovirus
Original Source: Child with diarrhea
Depositor: WA Chappell

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

Propagation Host:
LLC-MK2 Derivative (ATCC® CCL-7.1™)

Effect on Host:
CPE, granulation and sloughing

Medium:
EMEM (ATCC® 30-2003™) + 2% FBS (ATCC® 30-2020™)

Growth Conditions
Temperature: 36°C

Recommendations for Infection: For best results, infection should be performed on a 80-90% confluent, 18-48 hour old cellular monolayer. Prepare dilution of virus in minimum amount of volume (e.g. 1 mL per 25 cm²). Wash monolayer with PBS or serum free medium prior to inoculation. Adsorb virus dilution for 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere, rocking every 20-30 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

Incubation: 3-5 days at 36°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.


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

Key Abbreviations
°C, degrees Celsius
CO₂, carbon dioxide
CPE, cytopathic effect
EMEM, Eagle’s minimum essential medium
FBS, fetal bovine serum
LLC-MK2 Derivative, a Macaca mulatta (Rhesus monkey) kidney cell line
PBS, phosphate buffered saline

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.

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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.

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