Strain: Gdula
Classification: Picornaviridae, Enterovirus, Human enterovirus A
Original Source: Stool from 5-year-old child with sore throat, fever and leg muscle spasm, New York, 1949.
Depositor: HA Wenner

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

Propagation

Propagation Host:
RD cells (ATCC® CCL-136™)

Effect on Host:
CPE, cell rounding and death

Medium:
DMEM (ATCC® 30-2002™) + 10% FBS (ATCC® 30-2020™)

Growth Conditions

Temperature: 37°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), optimized for propagation (e.g. MOI 0.01-0.1 recommended). Wash monolayer with DPBS 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: 2-4 days at 37°C in a humidified 5% CO₂ atmosphere, until CPE is progressed through 80% of the monolayer.

Derived by adaptation of primary cell culture product ATCC® VR-165™ to RD cells (ATCC® CCL-136™).

ATCC® VR-165™ and ATCC® VR-1801 have not been compared for sequence of infectivity in primary cell culture and tissue culture.

References

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

Key Abbreviations

CPE, cytopathic effect
DMEM, Dulbecco’s minimum essential medium
FBS, fetal bovine serum
MOI, multiplicity of infection
DPBS, Dulbecco’s phosphate buffered saline
RD, Rhabdomyosarcoma cells

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

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org
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Additional information on this culture is available on the ATCC web site at www.atcc.org.

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