Strain: Wa (TC adapted)
Classification: Reoviridae, Rotavirus, Rotavirus A
Original Source: Diarrhea stool from patient positive for rotavirus
Depositor: RG Wyatt, National Institute of Allergy and Infectious Disease

Batch-Specific Information

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

Propagation

Propagation Host: MA-104 Clone 1 (ATCC® CRL-2378.1™)
Effect on Host: CPE, refractile rounding and sloughing.

Medium: EMEM (ATCC® 30-2003™) + 2 µg/mL trypsin

Growth Conditions

Temperature: 37°C
Recommendations for Infection: Plate cells 24 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g., 1 mL per 25 cm²) diluted to provide an optimal MOI (e.g., 0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO₂ atmosphere while continuously rocking. End adsorption by adding virus growth medium.
Incubation: 1-7 days

References

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

Key Abbreviations

°C, degrees Celsius
CO₂ (CO2), carbon dioxide
CPE, cytopathic effect
EMEM, Eagle’s Minimum Essential Medium
MOI, multiplicity of infection
TC, tissue culture

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

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

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