



Product Sheet

Human rotavirus (ATCC® VR-2104™)

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: Human rotavirus (ATCC® VR-2104™)

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: Hu/Australia/102510/77/L

Classification: *Reoviridae*, *Rotavirus*, Rotavirus A

Original Source: Stool sample of a human neonate in a Melbourne maternity hospital, 1977

Depositor: G Barnes

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; cell clumping, refractile rounding and sloughing

Medium:

EMEM (ATCC® 30-2003™) + 1.0 µg/mL Trypsin 1:250 (Gibco)

Growth Conditions

Temperature: 37°C

Recommendations for Infection: Plate cells 24-48 hours prior to infection and infect when cultures are 98-100% confluent. Calculate volume of virus seed required to inoculate with an optimal MOI (e.g. 0.2-0.4). Activate virus by incubating in 10 µg/mL Trypsin 1:250 within a 37°C water bath for 30 minutes. If needed, combine activated virus with enough virus growth medium to inoculate with a small amount of inoculum (e.g. 1 mL per 25 cm²). Wash cell monolayer twice with DPBS or EMEM. Adsorb activated virus for 1-2 hours at 37°C, in a humidified 5% CO₂ environment with slow continuous rocking. End adsorption by removing the inoculum and then adding virus growth medium.

Incubation: 12 days

Comments

This virus appears to be attenuated in tissue culture. This item requires a freeze-thaw and reactivation of virus using trypsin to process intermediate passages.

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

DPBS, Dulbecco's Phosphate Buffered Saline

MOI, multiplicity of infection

EMEM, Eagles Minimum Essential Medium

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




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formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

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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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