Rotavirus A

VR-3390™

Description

This product is an ATCC manufactured and accessioned progeny of VR-2104 cited in US Pat. No. 4,624,850.
Strain designation: Hu/Australia/10-25-10/77/L
Deposited As: ATCC accessioned progeny of Rotavirus A strain Hu/Australia/10-25-10/77/L cited in US Pat. No. 4,624,850 as VR-2104.

Storage Conditions

Product format: Frozen
Storage conditions: -70°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Growth Conditions

Host: MA-104 Clone 1 (ATCC CRL-2378.1)
Effects: cell clustering; cell rounding; cell sloughing; CPE
Complete medium: EMEM (ATCC 30-2003) + 1.0 µg/mL Trypsin 1:250 (Gibco)
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2
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% CO_2 environment with slow continuous rocking. End adsorption by removing the inoculum and then adding virus growth medium.

Incubation: 12 days

Handling Procedures

Mycoplasma contamination: Not detected

Notes

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.
Key Abbreviations: °C, Degrees Celsius; CO_2, Carbon dioxide; CPE, Cytopathic effect; D-PBS, Dulbecco's Phosphate-buffered saline; EMEM, Eagle's Minimum Essential Medium; MOI, Multiplicity of infection

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Rotavirus A (ATCC VR-3390)

References

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

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Revision

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