



Rotavirus reassortant

VR-3430™

Description

This product is an ATCC manufactured and accessioned progeny of VR-2415 cited in US Patent Number 5,626,851

Strain designation: WI79(4+9)[WI79-4,9]

Deposited As: ATCC accessioned progeny of Rotavirus (reassortant) strain WI79(4+9)[WI79-4,9] cited as VR-2415 in US Patent Number 5,626,851

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.

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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 submerged 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 submerged 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 rounding; cell sloughing; cell detachment

Complete medium: EMEM (ATCC 30-2003) + 0.5 mg/mL Trypsin

Important: The virus must be grown in serum-free medium containing trypsin.

Temperature: 37°C

Recommendations for infection: Plate cells 1-2 days prior to infection and infect when cultures are 90-100% confluent. Remove medium, wash cells to remove traces of FBS 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 1.5-2 hours at 37°C in a humidified 5% CO₂ atmosphere with continuous rocking. 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 85-100% of the monolayer.

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Notes

Important: The virus must be grown in serum-free medium containing trypsin.

Cell monolayers must be washed before inoculation to remove any FBS that could inactivate the trypsin

Note: Minimal effect on the host could occur due to the trypsin. However, the monolayer should stay intact.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; 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 reassortant (ATCC VR-3430)

References

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

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Please see the material transfer agreement (MTA) for further details regarding the

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use of this product. The MTA is available at www.atcc.org.

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