



Rotavirus A

VR-3426™

Description

This product is an ATCC manufactured and accessioned progeny of VR-2274 cited in US Patent Number 5,474,773.

Strain designation: HRV 248

Deposited As: ATCC accessioned progeny of Rotavirus A strain HRV 248 cited in US Patent Number 5,474,773 as VR-2274.

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

Effects: cell rounding; cell sloughing; CPE

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Incubation: 1-5 days at 37C in MA-104 cells, 5% CO₂

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Initially grow cells in MEM with 10% FCS, then use 0.1-1.0 MOI of virus to inoculate

cells which have been rinsed with PBS to remove residual FCS. Incubate on a rocker plate.

Primarily neutralized by hyperimmune guinea pig sera to serotypes 2 and 4, but is only recognized by monoclonal antibody to serotype 4.

Key Abbreviations: CPE, Cytopathic effect; CO₂, Carbon dioxide; FA, Fluorescent antibody assay; FBS, Fetal bovine serum; FCS, Fetal calf serum; MA-104, Embryonic rhesus monkey kidney cells; MAb, Monoclonal antibody; EMEM, Eagle's Minimum Essential Medium; mL, Milliliter; MOI, Multiplicity of infection; PBS, Phosphate-buffered saline; prAGMK, Primary african green monkey kidney cells; TC, Tissue culture; TCID₅₀, Median tissue culture infective dose; µg, Microgram

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Rotavirus A (ATCC VR-3426)

References

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

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Revision

This information on this document was last updated on 2025-06-27

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