



# Rotavirus A

VR-3424™

## Description

This product is an ATCC manufactured and accessioned progeny of VR-2272 cited in US Patent Number 5,474,773.

**Strain designation:** HRV 89-12C2

**Deposited As:** ATCC accessioned progeny of Rotavirus A strain HRV 89-12C2 cited in US Patent Number 5,474,773 as VR-2272.

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## 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.

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## 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.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Effects:** cell rounding; cell sloughing; CPE

**Temperature:** 37°C

**Incubation:** 1-5 days at 37C in MA-104 cells on a rocker plate

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Initially grow host cells in Virus growth medium: EMEM with 10% FCS, then use 0.1-1.0 MOI for virus to inoculate cells which have been rinsed with PBS to remove

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residual FCS. Incubate infected cells on rocker plate.

**Key Abbreviations:** AGMk, African green monkey kidney cells; PBS, Phosphate-buffered saline; CPE, Cytopathic effect; EMEM, Eagle's Minimum Essential Medium; FA, Fluorescent antibody assay; FCS, Fetal calf serum; MA-104, Embryonic rhesus monkey kidney cells; MAb, Monoclonal antibody; mL, Milliliter; MOI, Multiplicity of infection; M (Ms), Mouse; TC, Tissue culture; TCID<sub>50</sub>, Median tissue culture infective dose; µg, Microgram

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Rotavirus A (ATCC VR-3424)

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### References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2026-06-03

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## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

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