



# Gallid herpesvirus 2

VR-1576™

## Description

**Strain designation:** 648A

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** Vapor phase of liquid nitrogen

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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.

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.

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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

**Host:** SL-29 (ATCC CRL-1590)

**Effects:** cell rounding; death of host animal; foci formation; lymphoproliferative lesions in host animals; paralysis; syncytia

**Complete medium:**

Liebovitz McCoy (ATCC® 30-2007™) medium or EMEM (ATCC® 30-2003™) with 1-4% FBS (ATCC® 30-2020™)

**Temperature:** 38°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

**Recommendations for infection:** Set up cells 24 to 48 hours in advance. Infect at 80-90% confluence by adding cryopreserved infected cell seed directly to culture medium. Adsorption is not required. Incubate 4-7 days at 38° C in a humidified 5% CO<sub>2</sub> atmosphere. Harvest by trypsinization of infected cell culture. Collect trypsinized cells from suspension by centrifugation and resuspend in chilled fresh medium supplemented with 10% serum and 10% DMSO. Controlled rate freezing is recommended.

**Incubation:** 4-7 days required for infection. Virus is highly cell associated and must be preserved in the form of viable cryopreserved cells.

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Widely recognized representative of the MDV vv+ pathotype. With strains JM (v pathotype; ATCC® VR-585) and Md-5 (vv pathotype; ATCC® VR-987) can be used to classify new viral strains for pathotype. Highly virulent in chickens; may produce disease in chickens vaccinated with HVT or HVT+ serotype 2 vaccines. Also infects turkeys and quail. The virus is highly cell associated and must be propagated and stored as viable infected cells. A stock of infected cells at high density ( $10^7$ /mL) typically has an infectivity titer of about  $10^6$  PFU/mL.

**Key Abbreviations:** CPE, Cytopathic effect; DMSO, Dimethyl sulfoxide; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Gallid herpesvirus 2 (ATCC VR-1576)

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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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### 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