



Gallid herpesvirus 2

VR-987™

Description

Gallid herpesvirus 2 strain Md-5 was isolated from the buffy coat cells of a chicken with lymphomas. This strain has high virulence in HVT-immunized or genetically resistant chickens.

Strain designation: Md-5

Deposited As: Marek's disease virus type 1

Serotype: Serotype 1 Marek's disease virus

Storage Conditions

Product format: Frozen

Storage conditions: Vapor phase of liquid nitrogen

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 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: Duck embryo fibroblasts; Host Range: Chicken; chicken kidney cells; duck embryo fibroblasts

Effects: CPE

Temperature: 38°C

Recommendations for infection: Thaw culture in water bath until ice is just melted. Dilute in culture media consisting of F10, 199, and 4% calf serum. For best results infection should be performed by adding infected cells to freshly dissociated cells and planting simultaneously.

Incubation: 7 days

Handling Procedures

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Mycoplasma contamination: Not detected

Notes

Deposited as Mareks disease virus serotype 1. Infected CK cell suspension with 10% DMSO + Penicillin/Streptomycin + Fungizone[®]. Item is considered a very virulent strain, which high virulence in HVT immunized or genetically resistant chickens. Dilution of infected DEF suspension with medium 3-5 times the volume after thawing will enhance virus recovery.

Key Abbreviations: °C, Degrees Celsius; CO₂, Carbon dioxide; CPE, Cytopathic effect; DEF, Duck embryo fibroblast; DMSO, Dimethyl sulfoxide; FBS, Fetal bovine serum; HVT, Herpesvirus of turkeys

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-987)

References

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

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