



Murine hepatitis virus

VR-765™

Description

Murine hepatitis virus strain MHV-JHM is propagated in NCTC clone 1469 [derivative of NCTC 721] cells (ATCC CCL-9.1). This strain was isolated from animal tissue.

Strain designation: MHV-JHM

Common name: Murine hepatitis virus

Deposited As: Mouse hepatitis virus

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

Host: NCTC clone 1469 [derivative of NCTC 721] (ATCC CCL-9.1)

Effects: cell clustering; CPE; syncytia

Complete medium:

NCTC-135 + 10% FBS (ATCC 30-2020)

Temperature: 37°C

Atmosphere: 95% Air, 5% CO₂

Recommendations for infection: For best results cells should be 24 to 48 hours old and 70% - 80% confluent (not 100% confluent).

Handling Procedures

Mycoplasma contamination: Not detected

Notes

NCTC-1469 (ATCC CCL-9.1) cells seem to adhere more on glass surface compared to plastic surface. Medium NCTC-135 supports the growth of cells better than Virus growth medium: DMEM.

Key Abbreviations: °C, Degrees Celsius; AB, Antibody; CF, Complement fixation; CO₂, Carbon dioxide; CPE, Cytopathic effect; DMEM, Dulbecco's Modified Eagle's Medium; FA, Fluorescent antibody assay; FBS, Fetal bovine serum; FITC, Fluorescein isothiocyanate conjugate; IgG, Immunoglobulin G; MHV, Murine hepatitis virus; mL, Milliliter; M (Ms), Mouse; NCTC, National Cancer Tissue Culture (NIH, Bethesda); PBS, Phosphate-buffered saline; TC, Tissue culture; TCID₅₀, Median tissue culture infective dose

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Murine hepatitis virus (ATCC VR-765)

References

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

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