



Theiler's murine encephalomyelitis virus

VR-995™

Description

Strain designation: BeAn 8386

Common name: TMEV

Deposited As: Mouse encephalomyelitis

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: BHK-21 [C-13] (ATCC CCL-10)

Effects: cell rounding; cell sloughing; CPE

Complete medium:

DMEM (ATCC® 30-2002™) + 2% 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 80% - 90% confluent (not 100% confluent).

Incubation: 1 to 7 days at 37°C, a 5% CO₂ in air atmosphere is recommended.

Handling Procedures

Mycoplasma contamination: Not detected

Notes

Causes CPE in TC and demyelinating disease in M. Cross-neutralizes with other TMEV fully but does not cross-neutralize with the other cardioviruses (Mengo EMCV ect.).

Resistant to lipid solvents. Hemagglutinates human type 0 RBCs.

Key Abbreviations: °C, Degrees Celsius; 0 RBC, type 0 (null) red blood cells; BHK-21, Hamster kidney cell line; CPE, Cytopathic effect; CO₂, Carbon dioxide; DMEM, Dulbecco's Modified Eagle's Medium; EMCV, Encephalomyocarditis virus; FBS, Fetal bovine serum; TC, Tissue culture; TMEV, Theilers murine encephalomyelitis virus

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Theiler's murine encephalomyelitis virus (ATCC VR-995)

References

References and other information relating to this material are available at 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 or contact your local distributor
