



# Encephalomyocarditis virus

VR-129B™

## Description

Encephalomyocarditis virus strain EMC is propagated in Vero cells (ATCC CCL-81). The strain was isolated from a chimpanzee in Florida in 1944 and is indistinguishable antigenically from strain MM and Mengo encephalomyocarditis virus.

**Strain designation:** EMC

**Deposited As:** Encephalomyocarditis (Murine) (tissue culture adapted)

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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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## 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:** Vero (ATCC CCL-81)

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

**Complete medium:**

EMEM (ATCC 30-2003) + FBS (ATCC 30-2020)

**Temperature:** 37°C

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

**Recommendations for infection:** Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (e.g. 1 mL per 25 cm<sup>2</sup>) diluted to provide an optimal MOI (e.g. 0.1). Adsorb 1-2 hours at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, rocking every 15-20 minutes to redistribute inoculum. End adsorption by adding virus growth medium.

**Incubation:** 2-4 days

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## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

This strain is indistinguishable antigenically from strain MM and Mengo encephalomyocarditis virus.

**Key Abbreviations:** °C, Degrees Celsius; CPE, Cytopathic effect; 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: Encephalomyocarditis virus (ATCC VR-129B)

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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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Product Sheet

use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

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## Revision

This information on this document was last updated on 2022-10-22

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