Rickettsia monacensis

VR-1928™

Description

Type strain. Genome sequenced by depositor.
Strain designation: IrR/Munich
Deposited As: *Rickettsia monacensis*
Type strain: Yes

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.

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: Vero (ATCC CCL-81)
Effects: CPE; cell rounding; cell sloughing; cell degeneration
Complete medium:
DMEM (ATCC® 30-2002™) + 5% FBS (ATCC® 30-2020™)
Temperature: 34°C
Recommendations for infection: Plate cells 18-24 hours prior to infection and infect when cultures are 65-75% confluent. Remove DMSO from bacteria vial by centrifugation (180 x g for 10 minutes at 4°C). Remove supernatant and add 2 mL of fresh medium to the pellet. Pulse vortex for 1 minute. Remove medium from host cell culture and inoculate with bacteria (e.g. 1 mL per 25 cm^2) diluted to provide an optimal MOI (e.g. 0.1 to 1). Adsorb by centrifugation for 30 minutes at 800 x g at 22°C. Add agent growth medium following adsorption.
Incubation: 6-11 days at 34°C in a humidified atmosphere, until CPE is progressed through 80% of the monolayer. A Giemsa stain may also be used to determine end of incubation.

Notes

Key Abbreviations: °C, Degrees Celsius; DMSO, Dimethyl sulfoxide; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Rickettsia monacensis* (ATCC VR-1928)

References

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

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Revision

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