



Rickettsia buchneri

VR-1814™

Description

Strain designation: ISO-7

Deposited As: *Rickettsia buchneri*

Type strain: Yes

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

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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: IRE11 cells

Complete medium:

L15C (Modified Leibovitzs' L15) + 5% FBS (ATCC[®] 30-2020™) + 33% sterile water + 5% Tryptase phosphate broth + 0.1% Lipoprotein concentrate

Temperature: 25°C

Recommendations for infection: Plate host cells prior to infection and infect when cultures are 95-100% confluent. Spin down infected cells from inoculum and remove preservation medium containing DMSO, and resuspend cell pellet in fresh growth medium diluted to provide an optimal MOI. Remove medium from host cells and inoculate with a small volume of agent. Replace half of growth medium once per week.

Incubation: 3-4 weeks

Notes

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Key Abbreviations: °C, Degrees Celsius; DMSO, Dimethyl sulfoxide; 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 buchneri* (ATCC VR-1814)

References

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

Warranty

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Revision

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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
