



Borrelia mayonii

BAA-2743™

Description

Borrelia mayonii strain MN14-1420 is a bacterial type strain that was isolated from the blood of a Lyme disease patient in the United States. The strain has applications in infectious disease research and vector-borne disease research.

Strain designation: MN14-1420

Deposited As: *Borrelia mayonii*

Type strain: Yes

Storage Conditions

Product format: Frozen

Storage conditions: -80°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

Medium:

ATCC Medium MD-2902: BSK-II w/o glycerol

Temperature: 35°C**Atmosphere:** Microaerophilic

Handling Procedures

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #2902 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes. This also acts to dilute the glycerol

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that otherwise would inhibit growth.

3. Incubate at 35°C under microaerophilic conditions for 14 days. Use an anaerobe jar with an active catalyst and a microaerophilic gas generator pack or other acceptable method. All tubes and slants should be incubated with caps loosened.
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Notes

Microaerophilic conditions can be obtained using a gas generator pack or a sealed container filled with microaerophilic gas.

This item does not grow optimally in the presence of glycerol (its cryopreservative).

Care should be taken when establishing the culture to dilute the glycerol sufficiently to allow good growth.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Borrelia mayonii* (ATCC BAA-2743)

References

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

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