Borrelia miyamotoi Fukunaga et al.

BAA-3151™

Description

Borrelia miyamotoi strain LB-2001 is a whole-genome sequenced bacterium that was isolated from a tick in the United States. It has applications in vector-borne disease and infectious disease research.

Strain designation: LB-2001
Deposited As: *Borrelia miyamotoi*
Type strain: No

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 3012: MKP-F (Modified Kelly-Pettenkofer Medium, w/ 10% FBS)
ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood
Temperature: 35°C
Atmosphere: Microaerophilic

Handling Procedures

1. Open thawed vial.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #3012 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary

broth tube to these secondary broth tubes.
3. Use several drops of the primary broth tube to inoculate a #260 plate.
4. Incubate at 35°C under microaerophilic conditions for 7-10 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.

Notes

It takes between 7-10 days for the culture to show active growth. Acid formation will change the medium to a light or yellow orange color.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Borrelia miyamotoi* Fukunaga et al. (ATCC BAA-3151)

References

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

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Revision

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