Bartonella koehlerae Droz et al.

BAA-2249™

Description

Strain designation: C-29
Type strain: Yes

Storage Conditions

Product format: Frozen

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 434: Heart infusion broth/agar with 5% rabbit blood
Temperature: 35-37°C
Atmosphere: Microaerophilic: 3-5% O_2, 10% CO_2

Handling Procedures

PROPAGATION PROCEDURE:

1. Thaw frozen vial of culture.

2. Transfer 0.l ml of culture to a fresh #434 plate aseptically. Streak for isolation.

3. The remaining content in the vial can be used to inoculate additional #434 plates or slants.

4. Incubate plates under microaerophilic condition, at 35-37ºC.

5. Growth should occur after 4 days.

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3. The remaining content in the vial can be used to inoculate additional #434 plates or slants.
4. Incubate plates under microaerophilic condition, at 35°C to 37°C.
5. Growth should occur after 4 days.

Notes

Colonies on #434 agar are small, circular, translucent, opaque, dull surface and entire.

This organism is very difficult to cultivate. The medium has to be fresh, less than 7 days old. It is crucial that ingredients from Acumedia are used, and the plates are poured with 28 ml of medium/plate. This organism will grow on Chocolate agar (#814) with 28 ml of medium/plate, but poor growth is observed. The organism dies rapidly at refrigeration temperature; do not store it at 4ºC. The best way of long-term preservation is under liquid nitrogen atmosphere. Use the following freezing medium for preservation:

M199 liquid (Gibco, Cat. No. 11150), 500.0 ml

Sodium pyruvate (11g/L), 5.0 ml

Glutamine (200 mM), 5.0 ml

Fetal bovine serum, 100.0 ml

DMSO, 6.1 ml

Mix and filter sterilize using 0.2 um filter. Mix freshlygrown culture in the freezing medium.

Store at -80ºC or in liquid nitrogen.

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Mix and filter sterilize using 0.2 µm filter. Mix freshlygrown culture in the freezing medium. Store at -80°C or in liquid nitrogen.
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: *Bartonella koehlerae* Droz et al. (ATCC BAA-2249)

References

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

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Revision

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