Bartonella henselae (Regnery et al.) Brenner et al.

49882™

Description

Bartonella henselae strain Houston-1 [CIP 103737, G5436] was isolated in Houston, Texas, from the blood of an HIV-positive male. This whole-genome sequenced bacterial type strain has applications in infectious disease research and vector-borne disease research.

Strain designation: Houston-1 [CIP 103737, G5436]
Deposited As: *Rochalimaea henselae* Regnery et al.
Type strain: Yes
Patent depository: This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.
Patent number:
5,399,485
Technical information: ATCC Technical Services does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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.

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Growth Conditions

Medium:
ATCC Medium 18: Trypticase Soy Agar/Broth
ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2

Handling Procedures

1. Open thawed vial.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #18 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 and/or #260 agar slant.
4. To obtain a biphasic culture, add 0.4 mL of the suspension to a #260 slant.
5. Incubate the tubes, plates, and biphasic slant at 37°C under 5% CO_2 conditions, with all caps loose. Within 5 to 10 days of incubation, growth at the broth/agar interface of the biphasic slant should occur.
6. Further subcultures can be made using the broth pool as the inoculum source.

Notes

This is a slow-growing organism that requires moist conditions for best growth. Taping the plates will help to prevent drying of the agar.

The use of fresh media is of primary importance.

ATCC® Medium #4 (Tryptic Soy Agar with 5% Defibrinated Rabbit Blood) may also be used.

Once good growth is obtained, transfer or freeze the culture. Adding an equal amount of 20% sterile glycerol to pooled broth from several biphasic slants, followed by freezing in liquid nitrogen or "ultra-low temperature" freezer, is recommended.

Purified genomic DNA of this strain is available as ATCC 49882D-5.

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 henselae* (Regnery et al.) Brenner et al. (ATCC 49882)

References

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

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Revision

This information on this document was last updated on 2024-02-03

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