Haemophilus haemoglobinophilus (Lehmann and Neumann) Murray

19416™

Description

Strain designation: NCTC 1659 [CIP 53.88 T, XIII]
Deposited As: *Haemophilus canis* (sic) Rivers
Type strain: Yes

Storage Conditions

Product format: Freeze-dried

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 1

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.

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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 814: GC Agar/Broth Medium
Temperature: 37°C
Atmosphere: 95% Air, 5% CO_2

Handling Procedures

1. Open vial according to enclosed instructions.

2. Using 0.5 ml of #18 broth, rehydrate the vial contents.

3. Aseptically transfer 0.2 ml of this suspension to #814 slant(s), and/or 0.1 ml to plates.

4. Incubate tubes and plates at 37ºC in an atmosphere of 5% CO_2.

5. Within 3 to 4 days, growth should be evident by colonies on the agar surfaces. Cells are Gram negative, thin regular to filamentous rods. Colonies are small pinpoint circular with a convex elevation, an entire margin, and a smooth surface.

Notes

If a broth culture is desired, use Medium #814 formulation without the agar, or HTM (Haemophilus Test Broth). To make HTM, first a fresh hematin stock solution is prepared by dissolving 50 mg of hematin powder in 100 ml of 0.01N (0.01 mol/L) NaOH with heat and stirring until the powder is dissolved thoroughly. Thirty milliliters of the hematin stock solution is added to 1 L of Mueller-Hinton Broth with 5 g of yeast extract. After autoclaving and cooling, aseptically add 3 ml of a NAD (nicotinamide adenine dinucleotide) stock solution (50 mg of NAD dissolved in 10 ml of distilled water; filter sterilized).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Haemophilus haemoglobinophilus* (Lehmann and Neumann) Murray (ATCC 19416)

References

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

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Revision

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