Leptospira interrogans (Stimson) Wenyon

23476™

Description

Reference strain for serotype Autumnalis.
Strain designation: Akiyami A
Deposited As: *Leptospira interrogans* (Stimson) Wenyon
Type strain: No
Serotype: Autumnalis

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 1470: Modified Leptospira medium
Temperature: 30°C
Atmosphere: Aerobic

Handling Procedures

1. TRANSFER IMMEDIATELY upon thawing by aseptically withdrawing cell suspension from vial and inoculating a 10-12 mL tube of Medium #1470, inserting the pipette just below the surface of the semi-solid medium. Aliquots of 0.5 ml from this tube may be used to inoculate additional tubes if needed. An aerobic blood plate may also be streaked to test for purity.

2. Incubate test tubes with screw caps lightly tightened along with the blood plate at 30°C under aerobic conditions.
3. Initial growth may take up to 7 to 14 days. Observe growth as a thin, tight band forming just below the surface of the medium. The band thickens as incubation continues. Cellular morphology under phase contrast shows motile flexible helical rods in singles.
4. The aerobic blood plate should show no signs of growth.

Notes

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: *Leptospira interrogans* (Stimson) Wenyon (ATCC 23476)

References

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

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Revision

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