Treponema phagedenis (ex Brumpt) Smibert

27087™

Description

Treponema phagedenis strain Kazan 8 was isolated from a human with syphilis. This strain will not grow on a solid medium.

Strain designation: Kazan 8
Deposited As: *Treponema pallidum* (Schaudinn and Hoffmann) Schaudinn
Type strain: No

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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.

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 1828: PY Medium (ATCC medium 1524) with cocarboxylase and serum
ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood
Temperature: 37°C
Atmosphere: Anaerobic

Handling Procedures

1. Open vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Under anaerobic conditions aseptically rehydrate the entire pellet with approximately 0.5 mL of #1828 broth. Aseptically transfer the entire contents

to a 5-6 mL tube of #1828 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary broth tubes. Best practice dictates the use of pre-reduced media.

3. Use several drops of the primary broth tube to inoculate a #260 plate and/or agar slant.
4. Incubate in an anaerobic atmosphere at 37°C for 3-7 days. Incubate one agar plate aerobically at 37°C to check for contamination.

ANAEROBIC CONDITIONS:

Anaerobic conditions for transfer may be obtained by the use of an anaerobic gas chamber or placement of test tubes under a gassing cannula system connected to anaerobic gas

Anaerobic conditions for incubation may be obtained by any of the following:

- Loose screw caps on test tubes in an anaerobic chamber
- Loose screw caps on test tubes in an activated anaerobic gas pack jar
- Use of sterile butyl rubber stoppers on test tubes so that an anaerobic gas headspace is retained

Notes

Oral Treponeme Enrichment Broth (Anaerobe Systems AS-603) can also be used as a growth medium for this organism.
Growth in broth is robust and reliable. Growth may be achieved on solid media for some batches.
Cultures are viable in broth for approximately 5 days after good growth is obtained.
Always use freshly prepared pre reduced media or pre reduced media that has been previously prepared but stored under anaerobic conditions and in the dark. Resazurin in the media is a color indicator for anaerobic conditions. Observance of pink color in medium before use or during incubation show anaerobic conditions have not been met and oxidation has occurred. Medium should be discarded.
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: *Treponema phagedenis* (ex Brumpt) Smibert (ATCC 27087)

References

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

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