Teredinibacter turnerae Distel et al. 2002, sp. nov.

39867™

Description

Strain designation: T7901
Deposited As: *Teredinobacter turnerae* Distel et al. 2002, sp. nov.
Type strain: No
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:
4,861,721
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 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 1983: Teredinobacter medium
Temperature: 30°C
Atmosphere: Aerobic

Handling Procedures

1. Open thawed vial according to enclosed instructions or visit www.atcc.org for instructions.
2. Aseptically transfer the entire contents to a 5-6 mL tube of #1983 broth. Additional test tubes can be inoculated by transferring 0.5 mL of the primary broth tube to these secondary tubes.
3. Use several drops of the primary broth tube to inoculate a #1983 plate and/or #1983 agar slant.
4. Incubate at 30°C for 48-72 hours.

Notes

Deposited as type strain.

Colonies on #1983 are pinpoint and difficult to observe due to the color of the agar; microscopic evaluation is recommended. The broth does not become turbid when growth occurs; microscopic observation is required. Cells are highly motile and may be difficult to observe.

This culture was originally deposited as Strain T7902. Comparison of 10 kb of contiguous sequence including the 3 end of the 23S rRNA, the 23S-5S spacer, the 5S rRNA and 12 subsequent contiguous open reading frames from ATCC® 39867™ with the genome sequence determined for Strain T7901 obtained from the original stock in the Waterbury collection revealed identical sequence alignment. However, ATCC® 39867™ differed by ~6% in nucleotide sequence from T7902 over 8kb of homologous protein coding sequence from the same genome region. Further, comparison of the ribotype patterns from ATCC® 39867™ and the original stocks of T7901 and T7902

from the Waterbury collection demonstrated that ATCC® 39867™ matched the T7901 pattern and differed from T7902. (Personal communication Daniel L. Distel, Ph.D. Executive Director, Ocean Genome Legacy, April 2009)

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: *Teredinibacter turnerae* Distel et al. 2002, sp. nov. (ATCC 39867)

References

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

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