



Product Sheet

Geobacillus stearothermophilus (ATCC® 7953™)

Please read this **FIRST**



Storage Temp.
Frozen: -80°C or colder
Freeze-Dried: 2°C to 8°C
Live Culture: See Propagation Section



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Geobacillus stearothermophilus* (ATCC® 7953™)

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Deposited Name: *Bacillus stearothermophilus* Donk

Product Description:

This strain is recommended by ATCC® for use in the tests described in military specification MIL S-36586A and U.S. Pharmacopeia, 23rd rev., <1211>, pp. 1976-1981, 1995 where only the taxon is specified. Steam and gas sterilization control.

Propagation

Medium

ATCC® Medium 3: Nutrient agar or nutrient broth

Growth Conditions

Temperature: 55°C

Atmosphere: Aerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #3 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #3 agar slant and/or plate.
5. Incubate the tubes and plate at 55°C for 24 to 48 hours.

Notes

Growth is light-moderate in broth and heavy on agar.

Colonial variation may be observed and is typical for this strain. Two colony types observed: a) entire, circular, smooth, opaque, dull, and raised; and b) slightly irregular, smooth, translucent, umbonate, glistening, and entire.

Depositor stated that this strain grows on agar at 35°C, but this was not verified by ATCC® laboratories.

Additional information on this culture is available on the ATCC® web site at www.atcc.org.

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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Disclaimers

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***Geobacillus*
*stearothermophilus***
(ATCC® 7953™)

patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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