



Product Sheet

# ***Geobacillus* *stearothermophilus*** (ATCC® 12016™)

Please read this **FIRST**



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

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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® 12016™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Deposited Name:** *Bacillus* sp.  
**Product Description:** Bacteriophage host

## Propagation

### Medium

ATCC® Medium 266: Trypticase broth (supplemented)

### Growth Conditions

**Temperature:** 55°C  
**Atmosphere:** Aerobic

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #266 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 an additional broth tube, a #266 agar slant and/or a plate.
5. Incubate all tubes and plate at 55°C for 24 hours. It is advisable to place plates and slants into a plastic bag to reduce drying.

## Notes

Colonies on #266 plates are pinpoint to 1.5 mm, circular, entire, and low convex with a dull sheen. This strain will grow on Nutrient Broth (BD 234000) and Agar (BD 213000), but #266 is recommended for phage propagation. Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

References and other information relating to this product are available online at [www.atcc.org](http://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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Product Sheet

***Geobacillus*  
*stearothermophilus***  
**(ATCC® 12016™)**

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](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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