



Product Sheet

# *Bacillus subtilis* (ATCC® 23857™)

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: *Bacillus subtilis* (ATCC® 23857™)

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

**Designation:** 168

**Deposited Name:** *Bacillus subtilis* (Ehrenberg) Cohn

**Genotype:** ind- tyr+

**Product Description:** Genotype: ind- tyr+. Organism used in genome sequencing project.

## Propagation

### Medium

ATCC® Medium 415: Potato Extract Agar/Broth

### Growth Conditions

**Temperature:** 26°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Open the vial according to enclosed instructions.
2. From a tube of #415 broth (5 to 6 mL), withdraw approximately 0.5 mL with a sterile pipette; add this medium to the vial to rehydrate the pellet.
3. Aseptically transfer the contents of the vial into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #415 agar slant and/or plate.
5. Incubate all tubes and plate at 26°C for 18 to 24 hours.

## Notes

Colonies on #415 agar appear circular, irregular, rough, matte, and translucent. Cultivability is effluent at 18-24 hours.

Purified genomic DNA of this strain is available as ATCC® 23857D-5™.

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

# ***Bacillus subtilis* (ATCC® 23857™)**

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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