



Product Sheet

# *Bacillus subtilis* (ATCC® 15841™)

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® 15841™)

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 subtilis* (Ehrenberg) Cohn

## Propagation

### Medium

ATCC® Medium 103: Soybean agar

### Growth Conditions

Temperature: 37°C

Atmosphere: Aerobic

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. From a single tube of #103 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette and use to rehydrate the pellet.
3. Use 0.1 mL of this suspension to inoculate #103 slants and 0.1 mL to inoculate #103 plates.
4. Incubate tubes and plates at 37°C, under aerobic conditions, for 24 hours.
5. After 24 hours of incubation, wash cells from the slant and transfer this broth to a new slant and plate. Incubate another 24 hours under aerobic conditions. This second transfer and incubation is necessary for complete removal of the cryoprotectant, which can inhibit growth.

## Notes

Growth on agar at 24 hours yields two colony morphotypes, a mucoid form and a granular form. The mucoid colony appears amorphous with a tacky, mucoid consistency. The granular form, appears as raised, irregular colonies approximately 1-2 mm in diameter, with a finely granular interior. No reversion occurs with subculture.

Cells are nonmotile rods, appearing individually and paired for both colony types.

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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the misidentification or misrepresentation of such materials.


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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