



## Product Sheet

# *Bacillus subtilis* subsp. *spizizenii* (ATCC® 6633™)

### 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* subsp. *spizizenii* (ATCC® 6633™)

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:** NRS 231

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

**Product Description:** This item is used in sterility testing and assay of rifampin [rifampicin, rifamycin AMP], neomycin, monensin, kanamycin, lasalocid [X-537A], mitomycin [mitomycin C], vancomycin, novobiocin, penicillin, framycetin, tobramycin, spiramycin, gentamicins [gentamicin], amoxicillin, bekanamycin [kanamycin B; aminodeoxykanamycin], hygromycin B, streptomycin, erythromycin, dactinomycin [actinomycin; actinomycin D], streptonigrin, lactam antibiotics [beta-lactam antibiotics], capreomycin sulfate [capreomycin], and dihydrostreptomycin sulfate [dihydrostreptomycin]. Susceptibility disc testing of rifampin [rifampicin; rifamycin AMP] and novobiocin. Produces restriction endonuclease *Bsu6633I* and subtilin.

## Propagation

### Medium

ATCC® Medium 44: Brain Heart Infusion Agar/Broth

### Growth Conditions

**Temperature:** 30°C

**Atmosphere:** Aerobic

### Propagation Procedure

1. Open vial according to enclosed instructions.
2. Using a single tube of #44 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 #44 agar slant and/or plate.
5. Incubate the tubes and plate at 30°C for 24 hours.

## Notes

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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is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from 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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