ATCC

Product Sheet

Bacillus subtilis subsp. spizizenii (ATCC® CRM-6633™)

Please read this FIRST

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.

Certified Reference Material produced under an ISO Guide 34:2009 accredited process.

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® CRM-6633™)

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

Designation: NRS 231
Deposited Name: *Bacillus subtilis* (Ehrenberg) Cohn

Propagation

Medium
ATCC® Medium 3: Nutrient agar or nutrient broth

Growth Conditions
Temperature: 30°C
Atmosphere: Aerobic

Propagation Procedure

1. Open vial according to enclosed instructions.
2. From 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 second tube of broth, a slant, and/or a plate.
5. Incubate all tubes and plates at 30°C for 24 hours.

Notes

Certificates of Analysis are available electronically at www.atcc.org, or by hardcopy upon request.
Growth is poor in statically incubated broth, forming a thin pellicle leaving the broth clear. The colonial morphology of this strain varies considerably depending on the temperature of incubation, medium used, and length of time incubated. Colonies on Nutrient Agar may be dull and dry to shiny, irregularly-shaped, opaque, flat, erose, and irregular. As they age they appear to spread and become more uniform. Some colonies are adherent making them difficult to remove from the agar surface. On Tryptic Soy Agar the colonies are creamy, raised, erose, and mildly adherent with a soft sheen.
Additional information on this culture is available on the ATCC website 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.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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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

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