

***Bacillus subtilis* subsp. *subtilis*, Strain 168**

Catalog No. NR-607

(Derived from ATCC® 23857™)

For research only. Not for human use.

Contributor:

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Product Description:

Bacteria Classification: *Bacillaceae*, *Bacillus*

Species: *Bacillus subtilis* subsp. *subtilis*, strain 168

Strain: 168 (EMG 51)

Comment: The complete genome of *Bacillus subtilis* subsp. *subtilis*, strain 168 has been sequenced (GenBank: AL009126).¹

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy Broth supplemented with 10% glycerol.

Packaging/Storage:

NR-607 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:

Tryptic Soy Broth or equivalent

Tryptic Soy Agar or equivalent

Incubation:

Temperature: 30°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use; then thaw.
2. Transfer the entire thawed aliquot into a single tube of Tryptic Soy Broth.
3. Use several drops of the suspension to inoculate a Tryptic Soy Agar slant and/or plate.
4. Incubate the slant and/or plate at 30°C for 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *Bacillus subtilis* subsp. *subtilis*, Strain 168, NR-607."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and

Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. Kunst, F., et al. "The Complete Genome Sequence of the Gram-Positive Bacterium *Bacillus subtilis*." Nature 390 (1997): 1249–1256. PubMed: 9384377.
2. Ikawa, S., et al. "Genetic Studies on Site-Specific Endodeoxyribonucleases in *Bacillus subtilis*: Multiple Modification and Restriction Systems in Transformants of *Bacillus subtilis* 168." Mol. Gen. Genet. 177 (1980): 359–368. PubMed: 6246395.
3. Nakamura, L. K., et al. "Relationship of *Bacillus subtilis* Clades Associated with Strains 168 and W23: a Proposal for *Bacillus subtilis* subsp. *subtilis* subsp. *nov.* and *Bacillus subtilis* subsp. *spizizenii* subsp. *nov.*" Int. J. Syst. Bacteriol. 49 (1999): 1211–1215. PubMed: 10425781.

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