**Bacillus** sp., Strain NRS 201

Catalog No. NR-52256  
(Derived from ATCC® 7064™)

For research use only. Not for use in humans.

Contributor:  
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Manufacturer:  
BEI Resources

**Product Description:**

Bacteria Classification: Bacillaceae, Bacillus  
Species: Bacillus sp.  
Strain: NRS 201  
Original Source: Bacillus sp., strain NRS 201 was originally isolated from blood by L. Siribaed and deposited at ATCC® by Dr. N. R. Smith as Bacillus siamensis Siribaed.¹,²  
Comments: Bacillus sp., strain NRS 201 reportedly has enterotoxin activity and does not produce zwittermicin A.³,⁴ NR-52256 was previously classified as Bacillus cereus; however, in-house sequencing and digital DNA-DNA Hybridization data (dDDH) was only able to confirm to the genus level.

*Bacillus* species are Gram-positive, motile, sporulating, facultative anaerobes and thermophilic rod-shaped bacteria found in a variety of environments, including soil and food. Several species are used in biotechnology and agricultural applications.⁵ While most species are harmless, members of the *B. cereus* subgroup are responsible for food poisoning and infections of the skin, blood and nervous system. Of particular concern is *B. anthracis*, the cause of anthrax, a potentially fatal infection of the skin, gastrointestinal tract and/or respiratory system, and a potential bioterrorist agent.⁶

**Material Provided:**

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

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

NR-52256 was packaged aseptically in 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:  
Nutrient broth or Tryptic Soy broth or equivalent  
Nutrient agar or Tryptic Soy agar or equivalent  
Incubation:

Temperature: 25°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 broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 25°C for 1 to 2 days.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Bacillus* sp., Strain NRS 201, NR-52256.”

**Biosafety Level:** 1


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References:

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