**Bacillus megaterium**, Strain Ford 19 (Gibson 1060)

Catalog No. NR-52259
(Derived from ATCC® 14581™)

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Contributor: ATCC®

Manufacturer: BEI Resources

Product Description:
Bacteria Classification: **Bacillaceae, Bacillus**
Species: **Bacillus megaterium**
Strain: Ford 19 (also referred to as Gibson 1060, CIP 66.20, NCTC 10342, CCM 2007, DSM 32, IAM 13418)

Original Source: **Bacillus megaterium** (B. megaterium), strain Ford 19 was isolated by W. W. Ford and was deposited at ATCC® in 1962 by Dr. Ruth E. Gordon, Institute of Microbiology, Rutgers University, New Brunswick, New Jersey, USA.1,2

Comments: The complete genome of **B. megaterium**, strain Ford 19 has been sequenced (GenBank: CP009920.1).3

**B. megaterium** is an aerobic, Gram-positive, spore-forming, nonpathogenic motile bacillus found primarily in soil, but has also been isolated from sediment, dust, sea water and food such as honey, milk and fish.1,2,4 **B. megaterium** is a large bacterium both physically and genetically, with an average cell volume 100x greater than *Escherichia coli* and a relatively large five-megabase-pairs genome containing up to ten plasmids, making it well-suited for studies of cellular structure, protein localization, sporulation and membranes. A number of genetic tools are available for **B. megaterium** including transducing phages, mutant strains and recombinant shuttle vectors and as such, it is used in industry for production of recombinant proteins, vitamins and bioremediation activities.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Nutrient broth supplemented with 10% glycerol.

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

Packaging/Storage:
NR-52259 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 Tryptic Soy agar with 5%
defibrinated sheep blood 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 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 30°C for 1 day.

Citation:
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: **Bacillus megaterium**, Strain Ford 19 (Gibson 1060), NR-52259."

Biosafety Level: 1


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References:

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