Bacillus licheniformis, Strain NRS 712

Catalog No. NR-2499
( Derived from ATCC® 9945™)

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Contributor:
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Product Description:
Bacteria Classification: Bacillaceae, Bacillus
Species: Bacillus licheniformis
Strain: NRS 712

Original Source: Isolated in 1938 from flour
Comments: Bacillus licheniformis, strain NRS 712 was deposited at ATCC® in 1945 by Dr. Nathan R. Smith. This strain reportedly produces D-glutamic acid polypeptide.

Bacillus licheniformis (B. licheniformis) is a Gram-positive, spore-forming, facultative anaerobe that is widely distributed as a saprophytic organism in the environment. It is a common contaminant in raw milk and its spores are highly resistant to pasteurization treatments. In addition, B. licheniformis can cause a variety of infections in humans including meningitis. B. licheniformis is used to manufacture enzymes, antibiotics, and biochemicals.

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Nutrient Broth supplemented with 20% glycerol.

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

Packaging/Storage:
NR-2499 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:
Nutrient Broth
Nutrient Agar

Incubation:
Temperature: 37°C
Atmosphere: Aerobic

Propagation:
1. Keep vial frozen until ready for use; thaw slowly.
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 tubes and plate at 37°C for 24 hours.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infectious Research Resources Repository, NIAID, NIH: Bacillus licheniformis, Strain NRS 712, NR-2499.”

Biosafety Level: 2

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References:

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