

***Bacillus pumilus*, Strain NRS 272**

Catalog No. NR-605

(Derived from ATCC® 7061™)

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Contributor:

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Product Description:

Bacteria Classification: *Bacillaceae, Bacillus*

Species: *Bacillus pumilus*

Type Strain: NRS 272 (NCTC 10337)

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-605 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 pumilus*, Strain NRS 272, NR-605."

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/bmb15/bmb15toc.htm.

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References:

1. Knight, B. C. and H. Proom. "A Comparative Survey of the Nutrition and Physiology of Mesophilic Species in the Genus *Bacillus*." J. Gen. Microbiol. 4 (1950): 508-538. PubMed: 14778957.
2. Smith, N. R., et al. "Type Cultures and Proposed Neotype Cultures of Some Species in the Genus *Bacillus*." J. Gen. Microbiol. 34 (1964): 269-272. PubMed: 14135533.
3. Smith, N. R., R. E. Gordon and F. E. Clark. "Aerobic Spore Forming Bacteria." U.S. Dep. Agric. Monogr. 16 (1952): 1-148.
4. Smith, N. R., R. E. Gordon and F. E. Clark. "Aerobic Mesophilic Spore-Forming Bacteria." U.S. Dep. Agric. Misc. Publ. 41 (1946): 1-112.
5. Demezas, D. H. and J. Bell. "Evaluation of Low Molecular Weight RNA Profiles and Ribotyping to Differentiate Some *Bacillus* Species." Syst. Appl. Microbiol. 18 (1995): 582-589.

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