

### ***Bacillus mycooides*, Strain NRS 273**

#### **Catalog No. NR-612**

(Derived from ATCC® 6462™)

#### **For research only. Not for human use.**

#### **Contributor:**

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#### **Product Description:**

Bacteria Classification: *Bacillaceae, Bacillus*

Species: *Bacillus mycooides*

Type Strain: NRS 273 (CIP 103472, DSM 2048, NCTC 12974)

#### **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-612 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 mycooides*, Strain NRS 273, NR-612."

#### **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](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

#### **Disclaimers:**

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#### **References:**

1. Smith, N. R., R. E. Gordon and F. E. Clark. "Aerobic Spore Forming Bacteria." U.S. Dep. Agric. Monogr. 16 (1952): 1-148.
2. 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.
3. Bergeron, M. G., et al. "Highly Conserved Genes and Their Use to Generate Probes and Primers for Detection of Microorganisms." Infectio Diagnostic (I.D.I.) Inc., assignee. International Patent WO/2001/023604. 05 Apr. 2001.

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