

***Mycoplasma bovirhinis*, Strain PG 43**

Catalog No. NR-3873

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Lot (NIAID) Number: M-734-002-084

For research use only. Not for human use.

Contributor:

National Institute of Allergy and Infectious Diseases (NIAID),
National Institutes of Health (NIH)

Manufacturer and Contract:

Huntingdon Research Center, PH-43-68-1516

Product Description:

Reagent: Seed

Classification: *Mycoplasmataceae*

Species: *Mycoplasma bovirhinis* (*M. bovirhinis*)

Type Strain: PG 43

NIAID Class: Research Reference Reagent

Donor: Dr. D. G. Edward

Donor Passage History (# of passages): Unknown

Producer Passage History (# of passages): 4

Note: BEI Resources was asked to distribute this bacterial preparation from NIAID's historical repository. Historical characterization information is shown below in the **Functional Activity and Purity sections.**

Material Provided:

Each vial contains approximately 1.0 mL of *M. bovirhinis* grown in Complete *Mycoplasma* broth (Medium LLL, see Appendix I for media composition).

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

Storage:

NR-3873 was packaged in vials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

Potency:

Titer: 2.3 × 10⁶ colony-forming units per mL, in 11 days on medium B (see Appendix I for media composition).

Date of Last Test: July 1978

Purity:

Homologous Antiserum Testing: Demonstrated inhibition when tested against a specific homologous antiserum. No evidence of heterotypic mycoplasma.

Heterologous Antiserum Testing:

Disc Inhibition and Fluorescent Antibody: Negative when tested against *M. arthritis*, *M. canis*, *M. fermentans*, *M. gallinarum*, *M. gallisepticum*, *A. granularum*, *M. hominis*, *M. hyorhinis*, *A. laidlawii* A, *A. laidlawii* B, *M. maculosum*, *M. orale* 1, *M. orale* 2, *M. pneumoniae*, *M. pulmonis*, *M. salivarium*, *M. spumans*, *M. lipophilum*, *M. neurolyticum*, *M. arginini*, *M. bovigentalium* and *M. orale* 3.

Separate Disc Inhibition: Negative when tested against *M. arthritis*, *M. iners*, *M. anatis*, *M. meleagridis*, and *M. bovirhinis*.

Separate Fluorescent Antibody: Negative when tested against *M. primum*.

Bacterial Sterility: Negative

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma bovirhinis*, Strain PG 43, NR-3873."

Biosafety Level: 2

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, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Taylor-Robinson, D. et al. "A Colour Test for the Measurement of Antibody to Certain *Mycoplasma*

Species Based upon the Inhibition of Acid Production." J. Hyg. (Lond.) 64 (1966): 91-104. PubMed: 5219024.

2. NIAID Catalog of Research Reagents 1978-1980. U.S. Department of Health, Education, and Welfare Publication No. (NIH) 78-899. Ed. S. Cunningham. NIAID/NIH, Bethesda, MD, USA.

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Appendix I: Media²

Complete *Mycoplasma* broth (Medium LLL)

<i>Mycoplasma</i> broth base	7.8%
Normal horse serum	2%
Yeast extract dialysate	0.2%
Penicillin	1000 units/mL
Phenol red	0.002%
DNA	0.002%

Medium B

Difco™ Heart infusion broth	100 mL
Horse serum	20 mL
Yeast extract	10 mL
Thallium acetate	0.1%
Penicillin	400 I.U./mL