

***Mycoplasma spumans*, Strain PG 13**

**Catalog No. NR-3866**

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**Lot (NIAID) Number: M-726-001-084**

**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:**

Baltimore Biological Laboratory, PH-43-67-1468

**Product Description:**

Reagent: Seed

Classification: *Mycoplasmataceae*

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

Type Strain: PG 13

NIAID Class: Research Reference Reagent

Donor: Dr. Michael Barile, Division of Biologics Standards,  
NIH

Donor Passage History (# of passages): Unknown

Producer Passage History (# of passages): 1 passage, 3x  
cloned, 5 passages

**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. spumans* grown in Complete *Mycoplasma* broth (Medium R, see Appendix I for media composition).

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

**Storage:**

NR-3866 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: 5 × 10<sup>6</sup> colony-forming units per mL, in 11 days on medium K (see Appendix I for media composition).

Date of Last Test: 1969

**Purity:**

Heterologous 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. arthritidis*, *M. canis*, *M. fermentans*, *M. gallinarum*, *M. gallisepticum*, *A. granularum*, *M. hominis*, *M. hyorhina*, *A. laidlawii* A, *A. laidlawii* B, *M. maculosum*, *M. orale* 1, *M. orale* 2, *M. pneumoniae*, *M. pulmonis*, *M. salivarium*, and *M. neurolyticum*.

Separate Disc Inhibition: Negative when tested against *M. arthritidis*, *M. hyorhina*, *M. iners*, and *M. arginini*.

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

Bacterial Sterility: Negative

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma spumans*, Strain PG 13, NR-3866."

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

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**References:**

1. Edward, D. G. ff and W. A. Fitzgerald. "The Isolation of Organisms of the Pleuropneumonia Group from Dogs." J. Gen. Microbiol. 5 (1951): 566-575. PubMed: 14873903

2. Edward, D. G. ff and E. A. Freundt. "The Classification and Nomenclature of Organisms of the Pleuropneumonia Group." J. Gen. Microbiol. 14 (1956): 197-207. PubMed: 13306904.

3. 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: Media<sup>3</sup>**

Complete *Mycoplasma* broth (Medium R)

<i>Mycoplasma</i> broth base	9.6%
Horse serum (unheated)	0.2%
Yeast extract dialysate	0.2%
Penicillin	1000 units/mL
Phenol red	0.002%

Medium K

Difco™ Heart infusion agar	
Horse serum	16%
Fresh yeast extract	8%
Penicillin G	400 I.U./mL
Sigma™ DNA	0.002%
pH 7.8	