

***Mycoplasma lipophilum*, Strain MaBy**

**Catalog No. NR-3874**

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**Lot (NIAID) Number: M-735-001-084**

**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:**

Huntingdon Research Center, PH-43-68-1516

**Product Description:**

Reagent: Seed

Classification: *Mycoplasmataceae*

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

Type Strain: MaBy

NIAID Class: Research Reference Reagent

Donor: Richard DelGiudice, Huntingdon Research Center

Donor Passage History (# of passages): Unknown

Producer Passage History (# of passages): 6

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

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

**Storage:**

NR-3874 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: 10<sup>6</sup> colony-forming units per mL, in 6 days on medium GGG (see Appendix I for media composition).

Date of Last Test: December 1970

**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. hyorhinis*, *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 lipophilum*, Strain MaBy, NR-3874."

**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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

**Disclaimers:**

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**References:**

1. Del Giudice, R. A. and T. R. Carski. "Characterization of a New *Mycoplasma* Species of Human Origin." Bact. Proc. Abstracts of the 68<sup>th</sup> Ann. Mtg. 1968.

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: Media<sup>2</sup>**

Complete *Mycoplasma* broth (Medium MMM)

<i>Mycoplasma</i> broth base (BBL)	7.0%
Normal horse serum	2%
Fresh yeast extract (25%)	1%
DNA (calf thymus)	0.002%
Phenol red	0.002%
Penicillin	1000 units/mL

Medium GGG

<i>Mycoplasma</i> agar base (BBL)	28.9 gm/L
L-arginine	4.2 gm/L
Bovine serum fraction	2%
Yeast extract (25%)	10%
Phenol red	0.002%
Penicillin	1000 units/mL
Thallium acetate	1:2000