

***Mycoplasma meleagridis*, Strain 17529 (Lyophilized)**

Catalog No. NR-4002

This reagent is the property of the U.S. Government.

Lot (NIAID) Number: M-736-001-584

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 meleagridis* (*M. meleagridis*)

Type Strain: 17529

NIAID Class: Research Reference Reagent

Donor: Dr. M. Barile, DBS, NIH

Donor Passage History (# of passages): 4

Producer Passage History (# of passages): 5

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 0.5 mL of *M. meleagridis* grown in Complete *Mycoplasma* broth (Medium NNN) with an equal volume of 25% sucrose, lyophilized (see Appendix I for media composition).

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

Storage:

NR-4002 was packaged in vials. The product is provided frozen and should be stored at 4°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

Potency:

Titer: 10⁷ colony-forming units per mL, in 11 days on medium K (see Appendix I for media composition).

Date of Last Test: January 1971

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. neurolyticum*, and *M. arginini*.

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

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 meleagridis*, Strain 17529 (Lyophilized), NR-4002."

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.

Disclaimers:

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References:

1. Yamamoto, R., C. H. Bigland and H. B. Ortmyer. "Characteristics of *Mycoplasma meleagridis* sp. n.,

Isolated from Turkeys." J. Bacteriol. 90 (1965): 47-49. PubMed: 16562041.

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 NNN)

<i>Mycoplasma</i> broth base	9.3%
Normal horse serum	0.5%
Yeast extract dialysate	0.2%
Phenol red	0.002%
DNA	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	