

***Mycoplasma hyorhinis*, Strain BTS-7**

**Catalog No. NR-3859**

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**Lot (NIAID) Number: M-718-002-084**

**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:**

Baltimore Biological Laboratory, PH-43-67-1468

**Product Description:**

Reagent: Seed

Classification: *Mycoplasmataceae*

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

Type Strain: BTS-7

NIAID Class: Research Reference Reagent

Donor: Laboratory of Infectious Diseases, NIAID

Donor Passage History (# of passages): 3x cloned

Producer Passage History (# of passages): 3

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

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

**Storage:**

NR-3859 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: 1.7 × 10<sup>9</sup> colony-forming units per mL, in 11 days on medium A (see Appendix I for media composition).

Date of Last Test: October 1974

**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. arthritidis*, *M. gallisepticum*, *A. granularum*, *M. hominis*, *M. hyorhinis*, *A. laidlawii* A, *A. laidlawii* B, *M. orale* 1, *M. pneumoniae*, *M. pulmonis*, *M. salivarium*, and *M. spumans*.

Separate Disc Inhibition: Negative when tested against *M. fermentans*, *M. gallinarum*, and *M. maculosum*.

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

Bacterial Sterility: Negative

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma hyorhinis*, Strain BTS-7, NR-3859."

**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:**

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**References:**

1. Switzer, W. P. "Studies on Infectious Atrophic Rhinitis. IV. Characterization of a Pleuropneumonia-Like Organism Isolated from the Nasal Cavities of Swine." Am. J. Vet. Res. 16 (1955): 540-544. PubMed: 13259032.

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 J)

<i>Mycoplasma</i> broth base	78%
Horse serum	20%
Yeast extract dialysate	2%
Penicillin	1000 units/mL
Phenol red	0.002%

Medium A

BBL. PPLO broth	7%
Yeast extract (25%)	1%
Unheated mule serum	2%
Penicillin	1000 units/mL
Thallium acetate	1:2000