

***Acholeplasma granularum*, Strain BTS-39**

**Catalog No. NR-3860**

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

**Lot (NIAID) Number: M-719-002-084**

**For research use only. Not for human use.**

**Contributor:**

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

**Manufacturer:**

Baltimore Biological Laboratory

**Product Description:**

Reagent: Seed

Classification: *Acholeplasmataceae*

Species: *Acholeplasma granularum* (*A. granularum*)

Type Strain: BTS-39

NIAID Class: Research Reference Reagent

Donor: Laboratory of Infectious Diseases, NIAID

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

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 1.0 mL of *A. granularum* grown in Complete *Mycoplasma* broth (Medium E, see Appendix I for media composition).

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

**Storage:**

NR-3860 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: 4 x 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:**

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*, *M. hominis*, *M. hyorhinis*, *A. laidlawii* A, *A. laidlawii* B, *M. orale* 1, *M. orale* 2, *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. primatum*, *M. lipophilum*, and *M. arginini*.

Bacterial Sterility: Negative

**Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Acholeplasma granularum*, Strain BTS-39, NR-3860."

**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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Publication No. (NIH) 78-899. Ed. S. Cunningham. NIAID/NIH, Bethesda, MD, USA.

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**References:**

1. Switzer, W. P. "Mycoplasmosis in Diseases of Swine." 1964 2nd Edition, Ed. H. W. Dune, Iowa State University Press, Ames, Iowa, USA.
2. NIAID Catalog of Research Reagents 1978-1980. U.S. Department of Health, Education, and Welfare

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

Complete *Mycoplasma* broth (Medium E)

<i>Mycoplasma</i> broth base	78%
Normal horse serum	20%
Yeast extract dialysate	2%
Potassium penicillin G	1000 units/mL

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	