

***Acholeplasma laidlawii* B, Strain PG 9**

Catalog No. NR-3869

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Lot (NIAID) Number: M-729-002-084

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: *Acholeplasmataceae*

Species: *Acholeplasma laidlawii* B (*A. laidlawii* B)

Type Strain: PG 9

NIAID Class: Research Reference Reagent

Donor: Laboratory of Infectious Diseases, NIAID

Donor Passage History (# of passages): 3

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. laidlawii* B grown in Complete *Mycoplasma* broth (Medium U, see Appendix I for media composition).

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

Storage:

NR-3869 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: 1.0 × 10⁶ colony-forming units per mL, in 11 days on medium B (see Appendix I for media composition).

Date of Last Test: 1976

Purity:

Homologous Antiserum Testing: Demonstrated inhibition when tested against a specific homologous antiserum. Heterotypic reactions were noted when tested by DI against *A. laidlawii* A only and against *A. granularum* when tested by FA.

Heterologous Antiserum Testing:

Disc Inhibition and Fluorescent Antibody: Negative when tested against *M. arthritis*, *M. canis*, *M. fermentans*, *M. gallinarum*, *M. gallisepticum*, *M. hominis*, *M. hyorhinis*, *M. maculosum*, *M. orale* 1, *M. orale* 2, *M. pneumoniae*, *M. pulmonis*, *M. salivarium*, *M. spumans*, and *M. neurolyticum*.

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

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: *Acholeplasma laidlawii* B, Strain PG 9, NR-3869."

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.

Disclaimers:

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References:

1. Laidlaw, P. P. and W. J. Elford. "A New Group of Filterable Organisms." Proc. Roy. Soc. 120 (1936): 292
2. Sabin, A. B. "The Filterable Microorganisms of the Pleuropneumonia Group." Bacter. Rev. 5 (1941): 1-67. PubMed: 13650067.
3. 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.

4. 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: Media⁴

Complete Mycoplasma broth (Medium U)

Mycoplasma broth base with 10% dextrose

| | |
|------------|---------------|
| Penicillin | 1000 units/mL |
| Phenol red | 0.02% |

Medium B

| | |
|-----------------------------|-------------|
| Difco™ Heart infusion broth | 100 mL |
| Horse serum | 20 mL |
| Yeast extract | 10 mL |
| Thallium acetate | 0.1% |
| Penicillin | 400 I.U./mL |