Product Information Sheet for NR-3856

Mycoplasma arthritidis, Strain PG 6

Catalog No. NR-3856

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

Lot (NIAID) Number: M-715-012-084

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 arthritidis (M. arthritidis)*
Type Strain: PG 6
NIAID Class: Research Reference Reagent
Donor: Dr. D. G. Edward
Donor Passage History (# of passages): Unknown
Producer Passage History (# of passages): 4

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

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

Storage:

NR-3856 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: 1×10^5 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. No evidence of heterotypic mycoplasma.

Heterologous Antiserum Testing:
- Disc Inhibition and Fluorescent Antibody: Negative when tested against *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. hyorhinis* and *M. iners*.
- Separate Fluorescent Antibody: Negative when tested against *M. primatum,* and *M. lipophilum*.

Bacterial Sterility: Negative

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma arthritidis,* Strain PG 6, NR-3856."

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:

You are authorized to use this product for research use only. It is not intended for human use.

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References:

1. Klieneberger, E. "Pleuropneumonia-Like Organisms of Diverse Provenance; Some Results of an Inquiry into Methods of Differentiation." J. Hyg. (Lond.) 38 (1938): 458-476 PubMed: 20475445.
2. Sabin, A. B. "The Filterable Microorganisms of the Pleuropneumonia Group." Bacter. Rev. 5 (1941): 1-67. PubMed: 13650067.
3. 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.

Support Provided by NIAID

Appendix I: Media[3]

Complete *Mycoplasma* broth (Medium AA)

Mycoplasma broth base	9.5%
Horse serum (unheated)	0.5%
Penicillin	1000 units/mL
Phenol red	0.0002%

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

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