Product Information Sheet for NR-3855

Mycoplasma arthritidis, Strain PG 27

Catalog No. NR-3855

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

Lot (NIAID) Number: M-715-001-084

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 27
NIAID Class: Research Reference Reagent
Donor: Laboratory of Infectious Diseases, NIAID
Donor Passage History (# of passages): 3× 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. arthritidis* grown in Complete *Mycoplasma* broth (Medium N, see Appendix I for media composition).

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

Storage:

NR-3855 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: 3×10^5 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. gallisepticum*, *A. granularum*, *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: *Mycoplasma arthritidis,* Strain PG 27, NR-3855."

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. 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.
2. Edward, D. G. ff and E. A. Freundt. "A Note on the Toxonomic Status of Strains like "Campo" hitherto Referred to as Mycoplasma hominis Type 2" J. Gen. Microbiol. 41 (1965): 263-265.
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 N)

Mycoplasma broth base	78%
Preimmune mule serum	20%
Yeast extract dialysate	2%
Potassium penicillin G	1000 units/mL
Thallium acetate	1:2000

Medium K

Difco™ Heart infusion agar	
Horse serum	16%
Fresh yeast extract	8%
Penicillin G	400 I.U./mL
DNA (Sigma)	0.002%
pH 7.8	

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