**Mycoplasma arthritidis**, Strain PG 6

**Catalog No. NR-3856**
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**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: \(1 \times 10^5\) 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

**Disclaimers:**
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References:

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Appendix I: Media³

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