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 × 10⁶ 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

**Disclaimers:**
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References:
2. Edward, D. G. ff and E. A. Freundt. “A Note on the Taxonomic Status of Strains like “Campo” hitherto

Appendix I: Media

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

Referred to as Mycoplasma hominis Type 2” J. Gen. Microbiol. 41 (1965): 263-265.

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