**Mycoplasma pulmonis, Strain Ash**

**Catalog No. NR-3858**
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**Lot (NIAID) Number: M-717-002-084**

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: Mycoplasmataceae
Species: Mycoplasma pulmonis (M. pulmonis)
Type Strain: Ash (also referred to as PG 34)
NIAID Class: Research Reference Reagent
Donor: Laboratory of Infectious Diseases, NIAID
Donor Passage History (# of passages): 3x 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. pulmonis* grown in Complete Mycoplasma broth (Medium E, see Appendix I for media composition).

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

**Storage:**
NR-3858 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:**
**Titer:** 1 x 10^6 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. arthritidis*, *M. gallisepticum*, *A. granularum*, *M. hominis*, *M. hyorhinis*, *A. laidlawii* A, *A. laidlawii* B, *M. orale* 1, *M. orale* 2, *M. pneumoniae*, *M. salivarum*, and *M. spumans*.
- **Separate Disc Inhibition:** Negative when tested against *M. arthritidis*, *M. canis*, *M. fermentans*, *M. gallinarum*, and *M. iner*.
- **Separate Fluorescent Antibody:** Negative when tested against *M. primatum*, *M. lipophilum*, and *M. arginini*.

**Bacterial Sterility:** Not reported

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma pulmonis*, Strain Ash, NR-3858.”

**Biosafety Level:** 2

**Disclaimers:**
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References:

Appendix I: Media

**Complete Mycoplasma broth (Medium E)**
- Mycoplasma broth base: 78%
- Normal horse serum: 20%
- Yeast extract dialysate: 2%
- Potassium penicillin G: 1000 units/mL

**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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