

***Mycoplasma orale* 1, Strain CH 19299**

Catalog No. NR-3852

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

Lot (NIAID) Number: M-714-001-084

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-43-62-839

Product Description:

Reagent: Seed

Classification: *Mycoplasmataceae*

Species: *Mycoplasma orale* 1 (*M. orale* 1)

Type Strain: CH 19299

NIAID Class: Research Reference Reagent

Donor: Dr. R. M. Chanock, NIAID

Donor Passage History (# of passages): 3x cloned

Producer Passage History (# of passages): 8

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. orale* 1 grown in Complete *Mycoplasma* broth (Medium I, see Appendix I for media composition).

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

Storage:

NR-3852 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: 5 × 10⁴ colony-forming units per mL, in 11 days on medium B (see Appendix I for media composition).

Date of Last Test: September 1968

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: Not done

Separate Disc Inhibition: Negative when tested against *M. arthritis*, *M. fermentans*, *M. hominis*, *M. pneumoniae*, and *M. salivarium*.

Separate Fluorescent Antibody: Not done

Bacterial Sterility: Negative

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma orale* 1, Strain CH 19299, NR-3852."

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.

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References:

1. Taylor-Robinson, D. J., H. Fox and R. M. Chanock. "A Newly Identified Oral Mycoplasma (*M. orale*) and its Relationship to other Human Mycoplasmas." Am. J. Hyg. 80 (1964): 135-148. PubMed: 14192765.
2. Low, I. E. and M. D. Eaton. "Replication of *Mycoplasma pneumoniae* in Broth Culture." J. Bacteriol. 89 (1956): 725-728. PubMed: 14273652.

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.

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Appendix I: Media³

Complete *Mycoplasma* broth (Medium I)

Horse heart infusion broth	70%
Preimmune mule serum	20%
Fresh yeast extract 25%	10%
Penicillin	1000 units/mL
Thallium acetate	1:2000

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