

# Product Information Sheet for NR-3854

## ***Mycoplasma orale* 3, Strain DC-333**

### **Catalog No. NR-3854**

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

### **Lot (NIAID) Number: M-714-022-084**

### **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:**

Huntingdon Research Center, PH-43-68-1516

#### **Product Description:**

Reagent: Seed

Classification: *Mycoplasmataceae*

Species: *Mycoplasma orale* 3 (*M. orale* 3)

Type Strain: DC-333

NIAID Class: Research Reference Reagent

Donor: Dr. J. Tully, Laboratory of Microbiology, NIH

Donor Passage History (# of passages): 20

Producer Passage History (# of passages): 2

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

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

#### **Storage:**

NR-3854 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:  $4.2 \times 10^6$  colony-forming units per mL, in 6 days on medium A (see Appendix I for media composition).

Date of Last Test: 1976

#### **Purity:**

Homologous Antiserum Testing: Demonstrated specificity when tested against a homologous antiserum by disc inhibition and by a homologous fluorescein labeled antiserum by FA technique. No evidence of heterotypic mycoplasma.

#### Heterologous Antiserum Testing:

Disc Inhibition and Fluorescent Antibody: Not done

Separate Disc Inhibition: Negative when tested against *M. arthritidis*, *M. canis*, *M. fermentans*, *M. gallinarum*, *M. gallisepticum*, *A. granularum*, *M. hominis*, *M. hyorhinis*, *M. iners*, *A. laidlawii* A, *A. laidlawii* B, *M. maculosum*, *M. orale* 1, *M. orale* 2, *M. pneumoniae*, *M. pulmonis*, *M. salivarium*, *M. spumans*, *M. lipophilum*, *M. neurolyticum*, *M. arginini*, *M. anatis*, *M. bovirhinis*, *M. meleagridis*, and *M. bovirhinis*.

Separate Fluorescent Antibody: Tested for homogeneity employing a homologous fluorescein conjugated antiserum. No heterotypic (unstained) colonies were noted.

Bacterial Sterility: Negative

#### **Citation:**

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Mycoplasma orale* 3, Strain DC-333, NR-3854."

#### **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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

#### **Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

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## References:

1. Fox, H., R. H. Purcell and R. M. Chanock. "Characterization of a Newly Identified *Mycoplasma* (*Mycoplasma orale* Type 3) from the Human Oropharynx." *J. Bacteriol.* 98 (1969): 36-43. PubMed: 4976470.

2. Freundt, E. A., et al. "Proposal of *Mycoplasma buccale* nom. nov. and *M. faucium* nom. nov. for *Mycoplasma orale* Types 2 and 3." *International J. Syst. Bacteriol.* 24 (1974): 252-255.
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: Media<sup>3</sup>

### Complete *Mycoplasma* broth (Medium FFF)

<i>Mycoplasma</i> broth base	8.9%
L-arginine	0.42% w/v
Yeast extract (25%)	1%
Penicillin	1000 units/mL
Phenol red	0.002%
pH 7.0	

### Medium A

BBL PPLO broth	7%
Yeast extract (25%)	1%
Unheated mule serum	2%
Penicillin	1000 units/mL
Thallium acetate	1:2000