

***Neisseria* sp., Oral Taxon 014, Strain F0314**

Catalog No. HM-91

For research use only. Not for human use.

Contributor:

Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Neisseriaceae*, *Neisseria*

Species: *Neisseria* sp.

Subtaxon: Oral taxon 014

Strain: F0314

Original Source: *Neisseria* sp., oral taxon 014, strain F0314 was isolated in June 1982 from a subgingival oral biofilm at a healthy site from a 23-year-old American white female.¹

Comments: *Neisseria* sp., oral taxon 014, strain F0314 is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *Neisseria* sp., oral taxon 014 F0314 is currently being sequenced at [Broad Institute](#) (GenBank: [ADEA00000000](#)).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Neisseria species are Gram-negative, aerobic to facultatively anaerobic, diplococcal bacteria that commonly colonize the human mouth and mucosal surfaces of many animals.² Two of the eleven *Neisseria* species that colonize humans are pathogens: *N. gonorrhoeae* (causes gonorrhea) and *N. meningitidis* (causes meningitis).³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Haemophilus Test Medium supplemented with 10% glycerol.

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

Packaging/Storage:

HM-91 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:

Haemophilus Test Medium ([ATCC medium 2167](#)) or

equivalent

Chocolate Agar (GC Medium) ([ATCC medium 814](#)) or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO₂

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Neisseria* sp., Oral Taxon 014, Strain F0314, HM-91."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

Disclaimers:

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References:

1. [HMP 9016](#) (*Neisseria* sp., strain F0314)
2. Knapp, J. S. "Historical Perspectives and Identification of *Neisseria* and Related Species." *Clin. Microbiol. Rev.* 1 (1988): 415-431. PubMed: 3069201.
3. Snyder, L. A., et al. "Comparative Overview of the Genomic and Genetic Differences between the Pathogenic *Neisseria* Strains and Species." *Plasmid* 54 (2005): 191-218. PubMed: 16024078.
4. Dewhirst, F. E., et al. "The Human Oral Microbiome." *J. Bacteriol.* 192 (2010): 5002-5017. PubMed: 20656903.

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