

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

Catalog No. HM-91

For research use only. Not for use in humans.

Contributor:

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

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 (HMP ID 9016) 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, strain F0314 was 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 Haemophilus Test Medium broth 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 broth or equivalent

Chocolate Agar (GC Agar Medium) 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 1 day.

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](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see 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.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product

or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. [HMP 9016](#) (*Neisseria* sp., oral taxon 014, 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.

ATCC® is a trademark of the American Type Culture Collection.

