

***Neisseria mucosa*, Strain C102**

**Catalog No. HM-242**

**For research use only. Not for use in humans.**

**Contributor:**

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**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Neisseriaceae*, *Neisseria*

Species: *Neisseria mucosa*

Strain: C102

Original Source: *Neisseria mucosa* (*N. mucosa*), strain C102 was isolated in 2006 from the expectorated sputum of a 31-year-old male patient with cystic fibrosis.<sup>1,2</sup>

Comments: *N. mucosa*, strain C102 is ([HMP ID 0604](#)) 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 *N. mucosa*, strain C102 was sequenced at the [Broad Institute](#) (GenBank: [ACRG00000000](#)).<sup>2</sup>

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.

*N. mucosa* is an aerobic, Gram-negative diplococcus that is a normal inhabitant of the human nasopharynx.<sup>3,4</sup> It may act as an opportunistic pathogen and occasionally has been linked to serious infections including meningitis and endocarditis.<sup>5,6</sup>

**Material Provided:**

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

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

**Packaging/Storage:**

HM-242 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 broth or equivalent

Chocolate agar (GC medium) or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic with 5% CO<sub>2</sub>

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 mucosa*, Strain C102, HM-242.”

**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 \(BMBL\)](#). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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**References:**

1. Surette, M. G., Personal Communication.
2. [HMP ID 0604](#) (*Neisseria mucosa*, strain C102)
3. Veron, M., et al. "*Neisseria mucosa* (*Diplococcus mucosus* Lingelsheim). I. Description Bacteriologique et Etude du Pouvoir Pathogene." Ann. Inst. Pasteur 97 (1959): 497-510. PubMed: 13841905.
4. Knapp, J. S. "Historical Perspectives and Identification of *Neisseria* and Related Species." Clin. Microbiol. Rev. 1 (1988): 415-431. PubMed: 3069201.
5. Stotka, J. L., et al. "Meningitis Due to *Neisseria mucosa*: Case Report and Review." Rev. Infect. Dis. 13 (1991): 837-841. PubMed: 1962095.
6. Ingram, R. J., B. Cornere and R. B. Ellis-Pegler. "Endocarditis Due to *Neisseria mucosa*: Two Case Reports and Review." Clin. Infect. Dis. 15 (1992): 321-324. PubMed: 1520766.

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