

Gemella morbillorum*, Strain M424*Catalog No. HM-240****For research use only. Not for human use.****Contributor:**

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bacillales* Family XI. *Incertae Sedis*, *Gemella*

Species: *Gemella morbillorum*

Strain: M424

Original Source: *Gemella morbillorum* (*G. morbillorum*), strain M424 was isolated from expectorated sputum from a 27-year-old male patient with cystic fibrosis in January 2008.^{1,2}

Comments: *G. morbillorum*, strain M424 ([HMP ID 0432](#)) 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 *G. morbillorum*, strain M424 is currently being sequenced at the [Broad Institute](#) (GenBank: [ACRX00000000](#)).

G. morbillorum is a facultatively anaerobic, Gram-positive, mesophilic coccus commonly found in the mucous membranes of humans and some animals.^{3,4} However, it is recognized as an opportunistic pathogen and has occasionally been isolated from patients with systemic infections.⁵

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Brain Heart Infusion Broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-240 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:**

Brain Heart Infusion Broth or equivalent

Tryptic Soy Agar with 5% sheep blood 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 72 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Gemella morbillorum*, Strain M424, HM-240."

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 <http://www.cdc.gov/biosafety/publications/bmb15/index.htm>.

Disclaimers:

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References:

1. Professor M. G. Surette, personal communication.
2. [HMP 0432](#) (*Gemella morbillorum*, strain M424)
3. Kilpper-Bälz, R. and K. H. Schleifer. "Transfer of *Streptococcus morbillorum* to the Genus *Gemella* as *Gemella morbillorum* comb. nov." Int. J. Syst. Bacteriol. 38 (1988): 442-443.
4. [Bergey's Manual of Systematic Bacteriology, Vol. 3](#)
5. La Scola, B. and D. Raoult. "Molecular Identification of *Gemella* Species from Three Patients with Endocarditis." J. Clin. Microbiol. 36 (1998): 866-871. PubMed: 9542900.
6. Whitney, A. M. and S. P. O'Connor. "Phylogenetic Relationship of *Gemella morbillorum* to *Gemella haemolysans*." Int. J. Syst. Bacteriol. 43 (1993): 832-838. PubMed: 8240963.

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