

**Gemella morbillorum, Strain M424**

**Catalog No. HM-240**

**Product Description:**

*Gemella morbillorum* (*G. morbillorum*), strain M424 was isolated from expectorated sputum from a 27-year-old male patient with cystic fibrosis. HM-240 lot 70049130 was produced by inoculation of BEI Resources seed lot 60058723 into Brain Heart Infusion broth and incubated for 2 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep kolles, which were grown for 2 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

**Lot: 70049130**

**Manufacturing Date: 17DEC2021**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 3 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood  Colony morphology 3 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood  Motility (wet mount) Hemolysis	Gram-positive cocci  Report results  Report results Report results	Gram-positive cocci  Circular, convex, entire, smooth and cream  Non-motile α-hemolytic
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>G. morbillorum</i> , strain M424 (GenBank: ACRX01000010.1)	99.9% sequence identity to <i>G. morbillorum</i> , strain M424 (GenBank: ACRX01000010.1)
<b>Purity (post-freeze)</b> 8 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)</b> 3 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

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25 FEB 2022

Program Manager or designee, ATCC Federal Solutions

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