

***Fusobacterium nucleatum* subsp. *polymorphum*, Strain F0401**

Catalog No. HM-260

Product Description:

Fusobacterium nucleatum (*F. nucleatum*) subsp. *polymorphum*, strain F0401 was isolated from a transtracheal biofilm from a healthy patient. HM-260 was produced by inoculation of BEI Resources seed lot 60354923 into Modified Chopped Meat Medium and grown for 1 day at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat medium for 1 day at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed on Tryptic Soy agar with 5% defibrinated sheep blood 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: 70060185

Manufacturing Date: 21APR2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Circular, low convex, entire, smooth and gray Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> subsp. <i>polymorphum</i> , Strain F0401 (GenBank: ADDB01000027.1)	99.8% sequence identity to <i>F. nucleatum</i> subsp. <i>polymorphum</i> , Strain F0401 (GenBank: ADDB01000027.1) ^{1,2}
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)	Growth	Growth

¹Alignment was completed to the obsolete version of *F. nucleatum* subsp. *polymorphum*, strain F0401 sequence. The updated version of this sequence in GenBank (ADDB00000000.2) was erroneously titled and is identical to the sequence of *Fusobacterium nucleatum* subsp. *animalis*, strain 7_1 (CP007062.1). Please use the obsolete version for sequence information related to HM-260.

²Also consistent with other *Fusobacterium* species.

/Sonia Bjorum Brower/
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Technical Manager or designee, ATCC Federal Solutions

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