

Actinomyces israelii, Strain F0345

Catalog No. HM-98

Product Description:

Actinomyces israelii (*A. israelii*), strain F0345 was isolated from a human oral cavity. HM-98 was produced by inoculation of BEI Resources seed lot 60486672 into *Actinomyces* broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in *Actinomyces* broth for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™) to produce this lot.

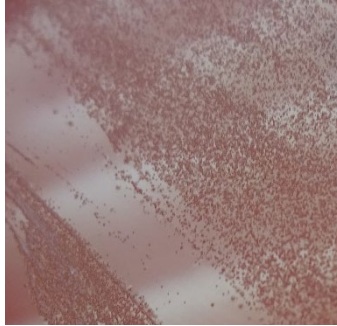
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70046945

Manufacturing Date: 22SEP2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-negative rods Report results Non-motile	Gram-positive rod Punctiform and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA (rRNA) gene (~ 1420 base pairs) Sequencing of 16S rRNA gene (~ 1410 base pairs)	≥ 99% sequence identity to depositor's sequence ≥ 99% sequence identity to <i>A. israelii</i> type strain (GenBank: AB849123.1)	100% sequence identity to depositor's sequence 99.7% sequence identity to <i>A. israelii</i> type strain (GenBank: AB849123.1)
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 Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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