

Shuttleworthia sp., Strain MSX8B

Catalog No. HM-882

Product Description: *Shuttleworthia* sp., strain MSX8B is a human oral isolate.

Lot^{1,2}: 70012264

Manufacturing Date: 22FEB2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Punctiform and translucent (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to <i>Shuttleworthia</i> sp., strain MSX8B (GenBank: JAQT01000037.1)	99.5% sequence identity to <i>Shuttleworthia</i> sp., strain MSX8B (GenBank: JAQT01000037.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
Viability (post-freeze)³	Growth	Growth

¹Quality 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.

²*Shuttleworthia* sp., strain MSX8B was deposited by Maria V. Sizova, Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-882 was produced by inoculation of the deposited material into Modified Chopped Meat broth and incubated for 4 days 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 broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

³2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

20 JUL 2018

Program Manager or designee, ATCC Federal Solutions

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