

***Klebsiella michiganensis*, Strain MIT 10-5242**

**Catalog No. HM-623**

**Product Description:**

*Klebsiella michiganensis* (*K. michiganensis*), Strain MIT 10-5242 was isolated from human bone in Kansas, USA. Previously referred to as *Klebsiella oxytoca*, this species has been reclassified. HM-623 was produced by inoculation of BEI Resources seed lot 59920859 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere 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: 70058477**

**Manufacturing Date: 30NOV2022**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Circular, slightly peaked, entire, smooth and grey  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (1480 base pairs)	≥ 99% sequence identity to <i>K. michiganensis</i> , Strain MIT 10-5242 (GenBank: AGDI01000029.1)	99.2% sequence identity to <i>K. michiganensis</i> , Strain MIT 10-5242 (GenBank: AGDI01000029.1) <sup>1</sup>
<b>Purity (post-freeze)</b> 7 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>	Growth	Growth

<sup>1</sup> Also consistent with other *Klebsiella* sp.

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

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