

***Klebsiella oxytoca*, Strain MIT 09-7231**

**Catalog No. HM-622**

**Product Description:** *Klebsiella oxytoca* (*K. oxytoca*), strain MIT 09-7231 (also referred to as 09-7231) was isolated from a mouse tumor abscess in Kansas, USA.

**Lot<sup>1,2</sup>: 70014604**

**Manufacturing Date: 13APR2018**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Circular, slight peaked, entire, smooth and gray (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>K. oxytoca</i> , strain MIT 09-7231 (GenBank: AGDH01000031.1)	99.3% sequence identity to <i>K. oxytoca</i> , strain MIT 09-7231 (GenBank: AGDH01000031.1)
<b>Purity (post-freeze)<sup>4</sup></b>	Consistent with expected colony morphology	Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

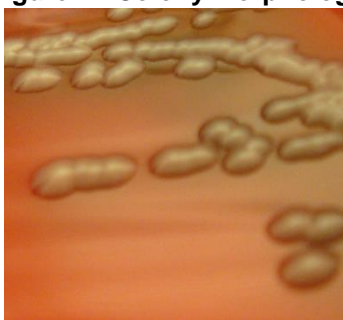
<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

<sup>2</sup>*K. oxytoca*, strain MIT 09-7231 was deposited by Professor James G. Fox, DVM, DACLAM, Division of Comparative Medicine, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA. HM-622 lot 70014604 was produced by the inoculation of BEI Resources HMS-622 lot 59920860 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

<sup>3</sup>1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



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