

***Klebsiella pneumoniae* subsp. *pneumoniae*, Strain WGLW5**

Catalog No. HM-749

Product Description:

Klebsiella pneumoniae (*K. pneumoniae*) subsp. *pneumoniae*, strain WGLW5 was isolated from a stool sample of a mouse with *T-bet*^{-/-} × *Rag2*^{-/-} ulcerative colitis (TRUC) in Boston, Massachusetts, USA. HM-749 was produced by inoculation of BEI Resources seed lot 61859926 into Nutrient broth and incubated for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once on Nutrient agar kolle 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: 70063247

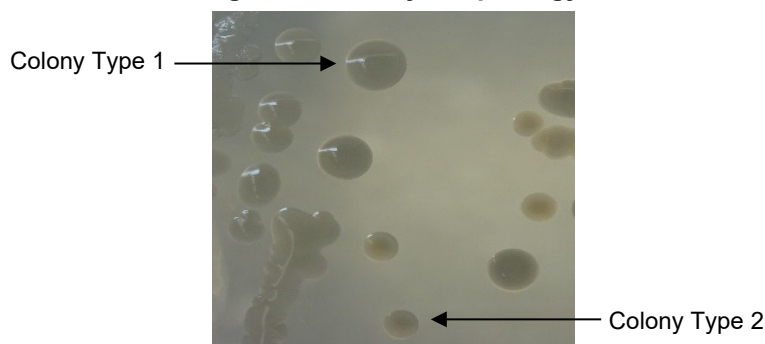
Manufacturing Date: 07SEP2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ¹ 1 day at 37°C in an aerobic atmosphere on Nutrient agar Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Colony type 1: Circular, entire, convex, mucoid, smooth and cream (Figure 1) Colony type 2: Circular, entire, convex, smooth, smaller than CT1 and light cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~1440 base pairs)	≥ 99% sequence identity to <i>K. pneumoniae</i> , strain WGLW5 (GenBank: AMLO01000018.1)	≥ 99% sequence identity to <i>K. pneumoniae</i> , strain WGLW5 (GenBank: AMLO01000018.1) ²
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *K. pneumoniae*. The 16S ribosomal RNA gene of each colony type was sequenced and found to have ≥ 99% sequence identity to the other colony type and to the *K. pneumoniae* type strain (GenBank: AMLO01000018).

²Also consistent with other *Klebsiella* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

19 DEC 2023

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