

***Klebsiella pneumoniae* subsp. *pneumoniae*, Strain WGLW3**

**Catalog No. HM-748**

**Product Description:** *Klebsiella pneumoniae* (*K. pneumoniae*) subsp. *pneumoniae*, strain WGLW3 was isolated from human stool in Boston, Massachusetts, USA.

**Lot<sup>1,2</sup>: 70010880**

**Manufacturing Date: 22NOV2017**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount) VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-negative rod Report results  Report results <i>K. pneumoniae</i>	Gram-negative rod Circular, entire, convex, smooth and cream (Figure 1) Non-motile <i>K. pneumoniae</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 740 base pairs)	≥ 99% sequence identity to <i>K. pneumoniae</i> subsp. <i>pneumoniae</i> , strain WGLW3 (GenBank: AMLN01000001.1)	100% sequence identity to <i>K. pneumoniae</i> subsp. <i>pneumoniae</i> , strain WGLW3 (GenBank: AMLN01000001.1) <sup>4</sup>
<b>Purity (post-freeze)<sup>5</sup></b>	Consistent with expected colony morphology	Consistent with expected colony morphology <sup>6</sup>
<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. pneumoniae* subsp. *pneumoniae*, strain WGLW3 was passaged three times and deposited by Wendy S. Garrett, M.D., Ph.D., Assistant Professor, and Leslie H. Wardwell, Department of Immunology and Infectious Diseases, Harvard School of Public Health, Boston, Massachusetts, USA. HM-748 lot 70010880 was produced by inoculation of BEI Resources HMS-748 lot 61859925 into Nutrient broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

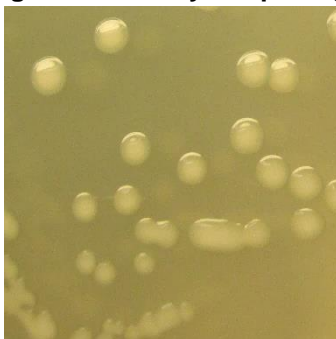
<sup>3</sup>1 day at 37°C in an aerobic atmosphere on Nutrient agar

<sup>4</sup>Also consistent with other *Klebsiella* species

<sup>5</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.

<sup>6</sup>Two colony types were observed after 2 days of incubation at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood. Colony type 1 was circular, entire, convex, smooth and cream, and colony type 2 was irregular, flat, smooth and gray. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK<sup>®</sup> 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 be 100% identical with the other colony type and consistent with *K. pneumoniae* subsp. *pneumoniae*, strain WGLW3 (GenBank: AMLN01000001.1).

**Figure 1: Colony Morphology**



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