

***Streptococcus pneumoniae*, Strain TCH8431**

**Catalog No. HM-145**

**Product Description:**

*Streptococcus pneumoniae* (*S. pneumoniae*), strain TCH8431, serotype 19A, was isolated from a human respiratory tract.

**Lot: 70025886<sup>1,2</sup>**

**Manufacturing Date: 17MAY2019**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Hemolysis <sup>3</sup> Motility (wet mount) VITEK <sup>®</sup> 2 (GP card)	Gram-positive cocci Report results  α-hemolytic Report results <i>S. pneumoniae</i> (≥ 89%)	Gram-positive cocci Circular, concave, entire, smooth and green (Figure 1) α-hemolytic Non-motile <i>S. pneumoniae</i> (96%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (1470 base pairs)	≥ 99% sequence identity to <i>S. pneumoniae</i> , TCH8431/19A (GenBank: CP001993)	100% sequence identity to <i>S. pneumoniae</i> , TCH8431/19A (GenBank: CP001993) <sup>4</sup>
<b>Purity (post-freeze)<sup>5</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>*S. pneumoniae*, strain TCH8431 was deposited by Sarah K. Highlander, Associate Professor, Department of Molecular Virology and Microbiology, Baylor College of Medicine, Houston, Texas, USA. HM-145 lot 70025886 was produced by inoculation of BEI Resources HMS-145 lot 59618491 into Brain Heart Infusion broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. 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 with 5% CO<sub>2</sub> to produce this lot.

<sup>3</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Also consistent with other *Streptococcus* 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.

**Figure 1: Colony Morphology**



/Heather Couch/  
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