SUPPORTING INFECTIOUS DISEASE RESEARCH

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^{1,2}

Manufacturing Date: 17MAY2019

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ³	Report results	Circular, concave, entire, smooth and green (Figure 1)
Hemolysis ³	α-hemolytic	α-hemolytic
Motility (wet mount)	Report results	Non-motile
VITEK [®] 2 (GP card)	S. pneumoniae (≥ 89%)	S. pneumoniae (96%)
Genotypic Analysis 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) ⁴
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze) ³	Growth	Growth

¹Quality 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.

²S. 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% CO₂. 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% CO₂ to produce this lot.

³1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Also consistent with other *Streptococcus* species

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

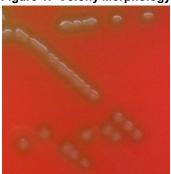


Figure 1: Colony Morphology

Certificate of Analysis for HM-145

/Heather Couch/ Heather Couch

19 JUL 2019

Program Manager or designee, ATCC Federal Solutions

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.

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