

***Streptococcus pneumoniae*, Strain NP112**

**Catalog No. NR-19213**

**Product Description:**

*Streptococcus pneumoniae* (*S. pneumoniae*), strain NP112 was isolated in 1995 from the nasopharynx of a healthy human in Georgia, USA. *S. pneumoniae*, strain NP112 was deposited as a member of serotype 06B. NR-19213 lot 70049060 was produced by inoculation of BEI Resources seed lot 62743447 into Todd-Hewitt broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. The material from the initial growth was passaged once in Tryptic Soy agar with 5% defibrinated sheep blood kolles for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

**Lot: 70049060**

**Manufacturing Date: 15DEC2021**

| TEST   | SPECIFICATIONS   | RESULTS   |
|--|--|---|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology<br><br>Motility (wet mount)<br>Hemolysis<br>Biochemical characterization<br>Catalase<br>VITEK® MS (MALDI-TOF)   | Gram-positive cocci<br>Report results<br><br>Report results<br>Alpha-hemolytic<br><br>Negative<br><i>S. pneumoniae</i> | Gram-positive cocci<br>Circular, flat, entire, smooth, and green<br><br>Non-motile<br>Alpha-hemolytic<br><br>Negative<br><i>S. pneumoniae</i> (99.9%) |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)  | ≥ 99% sequence identity to <i>S. pneumoniae</i> strain NP112 (GenBank: AGQF01000008.1)                                 | 99.9% sequence identity to <i>S. pneumoniae</i> strain NP112 (GenBank: AGQF01000008.1)  |
| <b>Purity (post-freeze)</b><br>7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood<br><br><b>Viability (post-freeze)</b><br>1 day at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood | Growth consistent with expected colony morphology<br><br>Growth  | Growth consistent with expected colony morphology<br><br>Growth   |

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25 MAY 2022

Program Manager or designee, ATCC Federal Solutions

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