

***Bordetella pertussis*, Strain H921**

**Catalog No. NR-42457**

**Product Description:**

*Bordetella pertussis* (*B. pertussis*), strain H921 was isolated in 2012 from a nasopharyngeal swab of a patient with whooping cough in Washington, USA. NR-42457 lot 70049058 was produced by inoculation of BEI Resources seed lot 62521239 into Bordet Gengou broth and grown for 7 days at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 7 days at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

**Lot: 70049058**

**Manufacturing Date: 26JAN2022**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount) Biochemical tests VITEK® MS (MALDI-TOF)	Gram-negative rods Report results  Non-motile  <i>B. pertussis</i> (≥ 90%)	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Non-motile  <i>B. pertussis</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>B. pertussis</i> , strain H921 (GenBank: AXSM02000013.1)	100% sequence identity to <i>B. pertussis</i> , strain H921 (GenBank: AXSM02000013.1)
<b>Purity (post-freeze)</b> Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub>	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth
<b>Viability</b> 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

**Figure 1: Colony Morphology**



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