

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 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: 70082360

Manufacturing Date: 11MAY2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 7 days at 37°C in an aerobic atmosphere on Bordet Gengou agar Colony morphology 7 days at 37°C in an aerobic atmosphere on Bordet Gengou agar Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Non-motile <i>B. pertussis</i>	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Non-motile <i>B. pertussis</i> (99.9%)
Genotypic Analysis 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)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Bordet Gengou agar	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability 7 days at 37°C in an aerobic atmosphere on Bordet Gengou agar	Growth	Growth

Figure 1: Colony Morphology



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