

Certificate of Analysis for NR-42457

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.

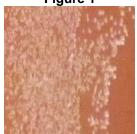
Lot¹: 62521237 Manufacturing Date: 27MAY2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-negative bacilli Report results Report results Consistent with <i>B. pertussis</i>	Gram-negative coccobacilli Punctiform, gray and opaque (Figure 1) Non-motile Consistent with <i>B. pertussis</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with B. pertussis	Consistent with <i>B. pertussis</i> ³
Purity (post-freeze) ⁴	Growth consistent with B. pertussis	Growth consistent with B. pertussis
Viability (post-freeze) ²	Growth	Growth

NR-42457 was produced by inoculation of the deposited material into Bordet Gengou broth and grown 6 days at 37°C in an aerobic atmosphere. Broth inoculum was added to Bordet Gengou agar kolles which were grown 8 days at 37°C in an aerobic atmosphere to produce this lot.

⁴Purity of this lot was assessed for 12 days on Bordet Gengou agar at 37°C in an aerobic atmosphere.





Date: 05 FEB 2015

Signature:

Title: Technical Manager, BEI Authentication or designee

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²12 days at 37°C in an aerobic atmosphere on Bordet Gengou agar

³≥ 99.9% identical to GenBank: AXSM00000000 (*B. pertussis*, Strain H921)