

***Bordetella pertussis*, Strain I176**

Catalog No. NR-42463

Product Description: *Bordetella pertussis* (*B. pertussis*), strain I176 was isolated in 2012 from a nasopharyngeal swab of a patient with whooping cough in Washington, USA.

Lot¹: 62521229

Manufacturing Date: 07JUL2014

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 Circular, convex, entire, smooth and cream (Figure 1) Non-motile Consistent with <i>B. pertussis</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	Consistent with <i>B. pertussis</i>	Consistent with <i>B. pertussis</i> ³
Purity (post-freeze)⁴	Growth consistent with <i>B. pertussis</i>	Growth consistent with <i>B. pertussis</i>
Viability (post-freeze)²	Growth	Growth

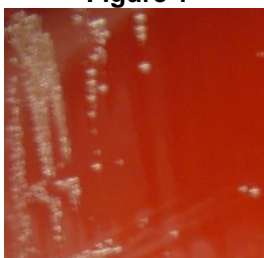
¹NR-42463 was produced by inoculation of the deposited material into Bordet Gengou broth onto Bordet Gengou agar and grown 8 days at 37°C in an aerobic atmosphere with 5% CO₂. The material was passaged onto Bordet Gengou agar and grown 7 days at 37°C in an aerobic atmosphere with 5% CO₂. After a hold at room temperature for 14 days, colonies were suspended in Bordet Gengou broth and passaged twice on Bordet Gengou agar for 7 and 10 days, respectively, at 37°C in an aerobic atmosphere with 5% CO₂. The material was maintained at room temperature for 8 days before a final passage onto Bordet Gengou agar for 6 days at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

²7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Bordet Gengou agar

³≥ 99.9% identical to GenBank: AXSG00000000 (*B. pertussis*, Strain I176)

⁴Purity of this lot was assessed for 7 days on Bordet Gengou agar at 37°C in an aerobic atmosphere with 5% CO₂.

Figure 1



Date: 26 NOV 2014

Signature: 

Title: Technical Manager, BEI Authentication or designee

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