

***Bordetella pertussis*, Strain I036**

**Catalog No. NR-42462**

**Product Description:** *Bordetella pertussis* (*B. pertussis*), strain I036 was isolated in 2012 from a nasopharyngeal swab of a patient with whooping cough in Washington, USA.

**Lot<sup>1</sup>: 62521231**

**Manufacturing Date: 07JUL2014**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) VITEK <sup>®</sup> MS (MALDI-TOF)	Gram-negative bacilli Report results  Report results Consistent with <i>B. pertussis</i>	Gram-negative bacilli Circular, convex, entire, smooth, mucoid, opaque and cream (Figure 1) Non-motile Consistent with <i>B. pertussis</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with <i>B. pertussis</i>	Consistent with <i>B. pertussis</i> <sup>3</sup>
<b>Purity (post-freeze)<sup>4</sup></b>	Consistent with expected colony morphology	Consistent with expected colony morphology
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

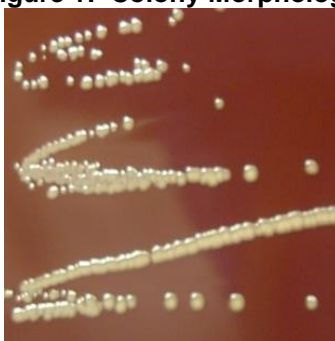
<sup>1</sup>NR-42462 was produced by inoculation of the deposited material into Bordet Gengou broth then onto Bordet Gengou agar and grown 8 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. The material was passaged on Bordet Gengou agar for an additional 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. After a hold at room temperature for 14 days, colonies were suspended in Bordet Gengou broth then onto Bordet Gengou agar and grown 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Colonies were suspended in Bordet Gengou broth and plated on Bordet Gengou agar for 10 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. 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% CO<sub>2</sub> to produce this lot.

<sup>2</sup>7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Bordet Gengou agar

<sup>3</sup>100% identical to GenBank: AXSH02000034.1 (*B. pertussis*, Strain I036)

<sup>4</sup>Purity of this lot was assessed for 7 days on Bordet Gengou agar at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

**Figure 1: Colony Morphology**



## Certificate of Analysis for NR-42462

**Date:** 17 NOV 2015

**Signature:** 

BEI Resources Authentication

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