

## Bordetella pertussis, Strain C352

### Catalog No. NR-58980

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### Product Description:

*Bordetella pertussis* (*B. pertussis*), strain C352 was isolated in 1999 from a human with pertussis in the United States. Strain D946 was deposited to BEI Resources as having a heterozygous A-to-G mutation in the 23S rRNA gene resulting in a mixed-resistant phenotype to macrolide antibiotics. NR-58980 was produced by inoculation of the deposited material into Bordet Gengou broth and grown for 7 days at 37°C in an aerobic atmosphere. Broth inoculum was added to Bordet Gengou agar 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: 70063371

Manufacturing Date: 09OCT2023

| TEST                                                                                                                                              | SPECIFICATIONS                                                                        | RESULTS                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Phenotypic Analysis</b><br>Cellular morphology<br>Colony morphology<br><br>Motility (wet mount)<br>VITEK® MS (MALDI-TOF)                       | Gram-negative rod<br>Report results<br><br>Report results<br><i>B. pertussis</i>      | Gram-negative rod<br>Circular, convex, entire, smooth and cream<br>Non-motile<br><i>B. pertussis</i> (99.9%) |
| <b>Genotypic Analysis</b><br>Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)                                                             | ≥ 99% sequence identity to <i>B. pertussis</i> wild-type strain (GenBank: CP046993.1) | 100% sequence identity to <i>B. pertussis</i> wild-type strain (GenBank: CP046993.1)                         |
| <b>Purity</b><br>7 days at 37°C in an aerobic atmosphere with and without 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood | Growth consistent with expected colony morphology                                     | Growth consistent with expected colony morphology <sup>1</sup>                                               |
| <b>Viability</b>                                                                                                                                  | Growth                                                                                | Growth                                                                                                       |

<sup>1</sup>Two colony sizes were observed (punctiform and medium) on plates incubated on Tryptic Soy agar with 5% defibrinated sheep blood. VITEK® MS (MALDI-TOF) analysis identified cells from both colony sizes as *B. pertussis*.

/Sonia Bjorum Brower/

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14 APR 2025

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