**Bordetella holmesii, Strain 1058**

Catalog No. NR-43502

For research use only. Not for human use.

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**Manufacturer:**
BEI Resources

**Product Description:**

- **Bacteria Classification:** Alcaligenaceae, Bordetella
- **Species:** Bordetella holmesii
- **Strain:** 1058
- **Original Source:** Bordetella holmesii (B. holmesii), strain 1058 was isolated in January 2012 from a human bloodstream sample in the United States.
- **Comments:** Strain 1058 was deposited as a brown pigment producing strain. The complete genome sequence of *B. holmesii*, strain 1058 has been sequenced (GenBank: NZ_JDTF00000000).

*B. holmesii* is a Gram-negative, fastidious, non-motile coccobacilli that produces a brown soluble pigment and is closely related to *Bordetella pertussis*. It is an emerging opportunistic pathogen that has been linked to invasive infections among immunocompromised patients, particularly those lacking splenic function. In healthy individuals, it can cause respiratory disease, including a pertussis-like illness.

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

NR-43502 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

- **Media:**
  - Tryptic Soy broth or Brain Heart Infusion broth or Bordet Gengou broth or equivalent
  - Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or Bordet Gengou agar or equivalent
- **Incubation:**
  - **Temperature:** 37°C
  - **Atmosphere:** Aerobic with or without 5% CO₂

**Propagation:**

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 2 to 7 days.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: *Bordetella holmesii*, Strain 1058, NR-43502.”

**Biosafety Level:**

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**Disclaimers:**

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