**Product Information Sheet for NR-44172**

**Bordetella holmesii, Strain H635**

Catalog No. NR-44172

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Alcaligenaceae, Bordetella  
**Species:** *Bordetella holmesii*  
**Strain:** H635 (also referred to as CDC-H635-BH)  
**Original Source:** *Bordetella holmesii* (B. holmesii), strain H635 was isolated in 2010 from respiratory fluid of a patient with pertussis-like symptoms in California, USA.  
**Comments:** The complete genome sequence of *B. holmesii*, strain H635 has been sequenced (GenBank: JGAA00000000).1

*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.2 3

**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-44172 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

**Temperature:** 37°C

**Atmosphere:** Aerobic with or without 5% CO₂

**Incubation:**
Transfer the entire thawed aliquot into a single tube of broth.

**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 H635, NR-44172.”

**Biosafety Level:**

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References:

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