**Bordetella holmesii**, Strain H620

Catalog No. NR-44170

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:* H620
*Original Source:* Bordetella holmesii (B. holmesii), strain H620 was isolated in 2010 from a human sample in Pennsylvania, USA.1
*Comments:* The complete genome of B. holmesii, strain H620 has been sequenced (GenBank: JJNW00000000).

*B. holmesii* is a Gram-negative, fastidious, non-motile coccobacilli that produces a brown soluble pigment and is closely related to *Bordetella pertussis.*2-4 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.3-5

**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-44170 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 H620, NR-44170.”

**Biosafety Level:** 2

**Disclaimers:**
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