**Product Information Sheet for NR-43499**

**Bordetella holmesii, Strain 41130**

**Catalog No. NR-43499**

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:** 41130  
**Original Source:** Bordetella holmesii (B. holmesii), strain 41130 was isolated in October 2010 from a human bloodstream sample in the United States.  
**Comments:** Strain 41130 was deposited as a brown pigment producing strain. The complete genome sequence of B. holmesii, strain 41130 has been sequenced (GenBank: NZ_JDSC00000000).

* 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-43499 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 41130, NR-43499.”

**Biosafety Level:** 2


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References:

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