**Bordetella holmesii, Strain 35009**

**Catalog No. NR-43498**

For research use only. Not for human use.

**Contributors:**
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**Manufacturer:**
BEI Resources

**Product Description:**
Bacteria Classification: Alcaligenaceae, Bordetella  
Species: Bordetella holmesii  
Strain: 35009  
Original Source: Bordetella holmesii (B. holmesii), strain 35009 was isolated in August 2010 from a human bloodstream sample in the United States.  
Comments: Strain 35009 was deposited as a brown pigment producing strain. The complete genome sequence of B. holmesii, strain 35009 has been sequenced (GenBank: JDSK00000000).

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-43498 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% sheep’s 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 35009, NR-43498.***

**Biosafety Level:** 2

**Disclaimers:**
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References:

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