**Bordetella bronchiseptica**, Strain E013

**Catalog No. NR-44163**

For research use only. Not for human use.

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**Manufacturer:** BEI Resources

**Product Description:**
- **Bacteria Classification:** Alcaligenaceae, Bordetella
- **Species:** Bordetella bronchiseptica
- **Strain:** E013
- **Original Source:** Bordetella bronchiseptica (B. bronchiseptica), strain E013 was isolated in 1976 from a human sample in Washington, USA.\(^1,2\)

**Comments:** The complete genome sequence of B. bronchiseptica, strain E013 has been sequenced (GenBank: JGWY00000000).\(^2\)

**B. bronchiseptica** is a Gram-negative motile coccobacillus that is known to colonize the respiratory tract of a large number of animals. It is an emerging opportunistic pathogen that has been linked to invasive infections among immunocompromised patients. The severity of a B. bronchiseptica infection can range from long-term asymptomatic carriage in the upper respiratory tract to fatal pneumonia.\(^3,4\)

**Material Provided:**
Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

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

**Packaging/Storage:**
NR-44163 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 bronchiseptica, Strain E013, NR-44163.”

**Biosafety Level:** 2


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References:

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