**Bordetella bronchiseptica**, Strain D993

Catalog No. NR-44158

For research use only. Not for human use.

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

**Product Description:**

**Bacteria Classification:** Alcaligenaceae, Bordetella  
**Species:** Bordetella bronchiseptica  
**Strain:** D993 (also referred to as B4699)

**Original Source:** Bordetella bronchiseptica (B. bronchiseptica), strain D993 was isolated in 1970 from a human sample in California, USA.

**Comments:** The complete genome sequence of B. bronchiseptica, strain D993 has been sequenced (GenBank: JGWV00000000).

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.

**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-44158 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 D993, NR-44158.”

**Biosafety Level:** 2


**Disclaimers:**

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References:

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