Bordetella holmesii, Strain H719

Catalog No. NR-44174

For research use only. Not for human use.

Contributor:
Eric T. Harvill, Professor of Microbiology and Infectious Disease, Department of Veterinary and Biomedical Sciences, The Pennsylvania State University, University Park, Pennsylvania, USA

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Alcaligenaceae, Bordetella
Species: Bordetella holmesii
Strain: H719 (also referred to as CDC-H719-BH)
Original Source: Bordetella holmesii (B. holmesii), strain H719 was isolated in 2011 from blood of a patient with bacteremia in Minnesota, USA.1
Comments: The complete genome sequence of B. holmesii, strain H719 has been sequenced (GenBank: JGWA00000000).1

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-44174 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 H719, NR-44174.”

Biosafety Level: 2

Disclaimers:
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BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

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