**Bordetella pertussis**, Strain STO1-CHOC-0008

**Catalog No. NR-42450**

For research use only. Not for human use.

**Contributor:**
Eric 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 pertussis*
Strain: STO1-CHOC-0008
Original Source: *Bordetella pertussis* (B. pertussis), strain STO1-CHOC-0008 was isolated in 2010 from a nasopharyngeal swab of a patient with whooping cough in Orange County, California, USA.
Comments: The complete genome of *B. pertussis*, strain STO1-CHOC-0008 has been sequenced (GenBank: AXRV02000000).

*B. pertussis* is a Gram-negative, fastidious, non-motile cocccobacilli that is a highly contagious, exclusively human pathogen. It is the causative agent of pertussis (whooping cough), an acute upper respiratory tract infection characterized by coughing fits (paroxysms), a whooping noise heard in the subsequent inspiration following a paroxysm and prolonged clinical course lasting for several weeks. Infection in adolescents and adults is typically mild; however, in children, particularly young infants, infection can be severe and sometimes deadly.

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

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

**Packaging/Storage:**
NR-42450 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:
Liquid Stainer Scholte with Heptakis broth or Bordet Gengou broth or equivalent
Regan Lowe agar or Bordet Gengou agar (with or without 10% defibrinated sheep blood) 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 (with shaking)¹, slant and/or plate at 37°C for 2 to 7 days.

**Citation:**
Acknowledge for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Bordetella pertussis*, Strain STO1-CHOC-0008, NR-42450."

**Biosafety Level:** 2


**Disclaimers:**
You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.
Use Restrictions:
This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

ATCC® is a trademark of the American Type Culture Collection.