



# ***Bordetella pertussis*** **(Bergey et al.) Moreno-Lopez**

**BAA-589™**

## **Description**

*Bordetella pertussis* strain Tohama I is a clinical specimen with applications in infectious disease research and respiratory disease research.

**Strain designation:** Tohama I

**Deposited As:** *Bordetella pertussis* (Bergey et al.) Moreno-Lopez

**Type strain:** No

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## **Storage Conditions**

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## **Intended Use**

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## **BSL 2**

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Medium:**

ATCC Medium 260: Trypticase soy agar/broth with defibrinated sheep blood

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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## Handling Procedures

1. Open vial.
2. Rehydrate the entire pellet with approximately 0.5 mL of #260 broth.  
Aseptically transfer the entire contents to a 5-6 mL tube of #260 broth.  
Additional test tubes can be inoculated by transferring 0.5 mL of the primary

- broth tube to these secondary broth tubes.
3. Use several drops of the primary broth tube to inoculate a #260 plate and/or #260 agar slant.
  4. Incubate at 37°C for 48-96 hours in an atmosphere of 5% CO<sub>2</sub>.
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## **Notes**

Purified genomic DNA of this strain is available (ATCC BAA-589D-5 and ATCC BAA-589DQ).

The organism grows much better on agar than in broth. For transfer, use a cell suspension prepared with loopfuls of growth from agar plates, as the inoculum. This strain also grows well on Chocolate agar media (ATCC Medium #814).

This genus commonly grows in Bordet Gengou media; however, ATCC has not confirmed growth on this medium with our current stock.

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).

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## **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Bordetella pertussis* (Bergey et al.) Moreno-Lopez (ATCC BAA-589)

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## **References**

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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