



Product Sheet

# *Bdellovibrio bacteriovorus* (ATCC® 15356™)

Please read this FIRST



Storage Temp.  
**Frozen: -80°C or colder**  
**Freeze-Dried: 2°C to 8°C**  
**Live Culture: See Propagation Section**

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Biosafety Level  
**1**

## Intended Use

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

## Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Bdellovibrio bacteriovorus* (ATCC® 15356™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

## Description

**Designation:** 100 [NCIB 9529]  
**Deposited Name:** *Bdellovibrio bacteriovorus* Stolp and Starr  
**Product Description:** Type strain

## Propagation

**Medium**  
ATCC® Medium 1603: DNB medium

**Growth Conditions**  
**Temperature:** 30°C  
**Atmosphere:** Aerobic

## Propagation Procedure

1. Open vial according to the enclosed instructions.
2. Using a 125 mL flask containing 50 mL of the recommended broth, withdraw 0.5 to 1.0 mL and rehydrate the entire pellet. Put several drops into a tube of standard Nutrient Broth (BD 234000) and the rest back into the flask.
3. Incubate the tube at 30°C and the flask on a reciprocal shaker at the same temperature.
4. After 24 hours, place the tube in the refrigerator to be used as a host stock if needed. It will also contain the *Bdellovibrio* but often a more concentrated suspension of the host is needed for infection. A pure culture of the host strain ATCC® 15357™ *Erwinia amylovora* is available and may also be used instead of trying to propagate the host as a mixed culture.
5. After 5-10 days, examine a wet mount preparation of the flask culture to check for free swimming *Bdellovibrio* cells. They will be observed as very tiny, actively motile, curved rods.

## Notes

Observe the flask culture microscopically daily until the *Bdellovibrio* are observed. A decrease in turbidity should also be noted indicating lysis of the host cells.  
To further propagate the strain, use the tube of the host set aside for this purpose. It should be transferred and used as a 24 hour culture.  
Additional information on this culture is available on the ATCC® web site at [www.atcc.org](http://www.atcc.org).

## References

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

## Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

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## Disclaimers

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## ***Bdellovibrio bacteriovorus*** **(ATCC® 15356™)**

confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

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

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