



# *Bdellovibrio bacteriovorus* Stolp and Starr

15143™

## Description

**Strain designation:** 109

**Deposited As:** *Bdellovibrio bacteriovorus* Stolp and Starr

**Type strain:** No

---

## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

---

## 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.

---

## BSL 1

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 submerged 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 submerged in liquid nitrogen.

---

## 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).

---

## Growth Conditions

**Medium:**

ATCC Medium 1603: DNB medium

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

## Handling Procedures

1. Open vial according to the enclosed instructions.
2. Using a glass vessel containing 50 ml of the recommended broth, withdraw 0.5 to 1.0 ml and rehydrate the pellet.
3. Incubate the tube at 30°C, and incubate the glass vessel on a reciprocal shaker at the same

## ***Bdellovibrio bacteriovorus* Stolp and Starr**

15143

temperature.

4. After 24 hours, transfer 1 mL of the culture into a fresh tube of broth. This tube will be held 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 15144 *Escherichia coli*, is available and may also be used instead of trying to propagate the host as a mixed culture.

5. After several days, examine a wet mount preparation of the glass vessel culture to check for free swimming *Bdellovibrio* cells. They will be observed as very tiny, actively motile, curved rods.

---

### **Notes**

A glass vessel must be used for propagation, not a plastic vessel.

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. This may take 3-4 weeks for the host to be fully lysed.

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).

---

### **Material Citation**

If use of this material results in a scientific publication, please cite the material in the following manner: *Bdellovibrio bacteriovorus* Stolp and Starr (ATCC 15143)

---

### **References**

References and other information relating to this material are available at

[www.atcc.org](http://www.atcc.org).

---

## Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

---

## Disclaimers

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. Any proposed commercial use is prohibited without a license from ATCC.

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and

## ***Bdellovibrio bacteriovorus* Stolp and Starr**

15143

assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure 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 material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

---

### **Copyright and Trademark Information**

© ATCC 2023. All rights reserved.

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

---

### **Revision**

This information on this document was last updated on 2022-09-18

---

### **Contact Information**

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

***Bdellovibrio bacteriovorus* Stolp and Starr**

15143

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor

---