




Product Sheet

***Salmonella enterica subsp. enterica* serovar *Typhimurium* (ATCC® 13311™)**

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 **2**

**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: *Salmonella enterica subsp. enterica* serovar *Typhimurium* (ATCC® 13311™)

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:** NCTC 74  
**Deposited Name:** *Salmonella typhimurium* (Loeffler) Castellani and Chalmers  
**Antigenic Properties:** I 4,5,12:i:1,2  
**Product Description:** Formerly *Salmonella choleraesuis* subsp. *choleraesuis* serovar Typhimurium. Type strain of *Salmonella typhimurium*.

 **Propagation**

**Medium**  
ATCC® Medium 3: Nutrient agar or nutrient broth

**Growth Conditions**  
**Atmosphere:** Aerobic  
**Temperature:** 37°C

**Propagation Procedure**

1. Open vial according to enclosed instructions.
2. Using a single tube of #3 broth (5 to 6 mL), withdraw approximately 0.5 to 1.0 mL with a Pasteur or 1.0 mL pipette. Rehydrate the entire pellet.
3. Aseptically transfer this aliquot back into the broth tube. Mix well.
4. Use several drops of the suspension to inoculate a #3 agar slant and/or plate.
5. Incubate the tubes and plate at 37°C for 24 hours.

 **Notes**

Colonies on #3 agar appear circular, entire, low-convex, and translucent.  
Purified genomic DNA of this strain is available as ATCC® 13311D-5™.  
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: 2**

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.

**ATCC Warranty**

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**Disclaimers**

This product is intended for laboratory research purposes only. It is not intended for use in humans. 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. 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.




Product Sheet

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enterica serovar  
Typhimurium*** (ATCC®  
13311™)

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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