




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.

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## Disclaimers

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Product Sheet

***Salmonella enterica subsp.  
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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