

# Salmonella enterica subsp. enterica, Strain ATCC<sup>®</sup> 9150™

# Catalog No. NR-515

(Derived from ATCC<sup>®</sup> 9150<sup>™</sup>)

# For research use only. Not for human use.

## **Contributor:**

ATCC<sup>®</sup>

### **Product Description:**

<u>Bacteria Classification</u>: Enterobacteriaceae, Salmonella <u>Species</u>: Salmonella enterica <u>Subspecies</u>: Salmonella enterica subsp. enterica<sup>1,2</sup> (formerly <u>Salmonella paratyphi, Salmonella choleraesuis subsp.</u>

choleraesuis serotype Paratyphi-A)

Strain: ATCC<sup>®</sup> 9150™

Serovar: Paratyphi A

Antigenic Properties: 1,2,12:a:-

<u>Comment</u>: The complete genome of Salmonella enterica (S. enterica) subsp. enterica, strain ATCC<sup>®</sup> 9150<sup>™</sup> has been sequenced (GenBank: CP000026).<sup>3</sup>

*S. enterica* are Gram-negative, rod-shaped, flagellated bacteria. Contaminated food and water are the main sources of infection, thus the greatest risk of disease occurs in developing countries with poor sanitation. The presence of several pathogenicity islands that encode a variety of virulence factors allows these organisms to colonize and infect host organisms.<sup>4</sup>

*S. enterica* subsp. *enterica* serovar Paratyphi A has a narrow host range and causes paratyphoid fever in humans. It is similar to serovar Typhi the cause of typhoid fever.

#### **Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy Broth supplemented with 10% glycerol.

<u>Note</u>: If homogeneity is required for your intended use, please colony-purify prior to initiating work.

#### Packaging/Storage:

NR-515 was packaged aseptically, in screw-capped plastic cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

## **Growth Conditions:**

Media: Tryptic Soy Broth or equivalent Tryptic Soy Agar or equivalent Incubation: Temperature: 37°C

#### Atmosphere: Aerobic

Propagation:

- 1. Keep vial frozen until ready for use, then thaw.
- 2. Transfer the entire thawed aliquot into a single tube of Tryptic Soy Broth.
- 3. Use several drops of the suspension to inoculate a Tryptic Soy Agar slant and/or plate.
- 4. Incubate the tubes and plate at 37°C for 24 hours.

### Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: Salmonella enterica subsp. enterica, Strain ATCC<sup>®</sup> 9150<sup>™</sup>, NR-515."

## **Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <u>Biosafety in</u> <u>Microbiological and Biomedical Laboratories</u>. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see <u>www.cdc.gov/od/ohs/biosfty/bmbl5/bmbl5toc.htm</u>.

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### References:

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- 8. Ger. Fed. Rep. Pat. 1,217,321.

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