

***Yersinia enterocolitica*, Strain WA-C**

**Catalog No. NR-211**

(Derived from ATCC® 51872™)

**For research only. Not for human use.**

**Contributor:**

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**Product Description:**

Bacteria Classification: *Enterobacteriaceae*, *Yersinia*

Agent: *Yersinia enterocolitica*

Strain: WA-C

Serotype: O:8

Comment: Derived from *Yersinia enterocolitica* WA-314 (ATCC 51871) by curing of the virulence plasmid. Pesticin-sensitive.<sup>1</sup>

**Material Provided:**

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

**Packaging/Storage:**

NR-211 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:

Brain Heart Infusion Broth or Tryptic Soy Broth  
Tryptic Soy Agar or Sheep Blood Agar

Incubation:

Temperature:<sup>2</sup> 26°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use; thaw slowly.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tubes and plate at 26°C for 24–48 hours.

Note:

Colonies on Tryptic Soy Agar are circular, convex, glistening, entire, smooth and transparent. Some colonies are more opaque.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and

Emerging Infections Research Resources Repository, NIAID, NIH: *Yersinia enterocolitica*, Strain WA-C, NR-211.”

**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. Biosafety in Microbiological and Biomedical Laboratories. 4th ed. Washington, DC: U.S. Government Printing Office, 1999. HHS Publication No. (CDC) 93-8395. This text is available online at [www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmbl4/bmbl4toc.htm).

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**References:**

1. Rakin, A., et al. “The Pesticin Receptor of *Yersinia enterocolitica*: a Novel Virulence Factor with Dual Function.” Mol. Microbiol. 13 (1994): 253–263. PubMed: 7984105.

2. Chu, M. C. Laboratory Manual of Plague Diagnostic Tests. Centers for Disease Control and Prevention, Atlanta, 2000.

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