

***Yersinia enterocolitica* subsp. *enterocolitica*, Strain CDC 497-70**

**Catalog No. NR-207**

(Derived from ATCC® 29913™)

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

**Contributor:**

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**Product Description:**

Bacteria Classification: *Enterobacteriaceae*, *Yersinia*

Agent: *Yersinia enterocolitica* subsp. *enterocolitica*<sup>1,2</sup>

Strain: CDC 497-70

Comment: DNA hybridization reference strain

**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-207 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>3</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.

**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* subsp. *enterocolitica*, Strain CDC 497-70, NR-207.”

**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. 5th ed. Washington, DC: U.S. Government Printing Office, 2007; see [www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm](http://www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm).

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**References:**

1. “Validation List No. 75.” Int. J. Syst. Evol. Microbiol. 50 (2000): 1415–1417.
2. Neubauer, H., et al. “*Yersinia enterocolitica* 16S rRNA Gene Types Belong to the Same Genospecies but Form Three Homology Groups.” Int. J. Med. Microbiol. 290 (2000): 61–64. PubMed: 11043982.
3. Chu, M. C. Laboratory Manual of Plague Diagnostic Tests. Centers for Disease Control and Prevention, Atlanta, 2000.

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