**Yersinia enterocolitica subsp. enterocolitica**, Strain 1375

**Catalog No. NR-209**  
(Derived from ATCC® 49397™)

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**Contributor:**  
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**Product Description:**

**Bacteria Classification:** Enterobacteriaceae, Yersinia  
**Agent:** Yersinia enterocolitica subsp. enterocolitica  
**Strain:** Strain 1375  
**Original Source:** Isolated in 1981 from a human clinical specimen

Yersinia enterocolitica subsp. enterocolitica (Y. enterocolitica subsp. enterocolitica) is a food-borne enteropathogen which causes gastroenteritis. It is an extremely heterogeneous species, encompassing six biotypes and currently more than 50 serogroups, not all of which can cause disease.\(^1\) It is of particular concern to the food industry because it is a psychrotrophic pathogen able to proliferate at temperatures approaching 0°C.

**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-209 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: 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 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 1375, NR-209.”

**Biosafety Level:** 2  

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**References:**

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