**Product Information Sheet for NR-124**

**Campylobacter jejuni subsp. doylei**, Strain 093

Catalog No. NR-124
(Derived from ATCC® 49349™)

For research only. Not for human use.

**Contributor:**
ATCC®

**Product Description:**

- **Bacteria Classification:** Campylobacteraceae, Campylobacter
- **Species:** Campylobacter jejuni subsp. doylei
- **Type Strain:** 093, NCTC 11951
- **Original Source:** Clinical isolate from the feces of a young child with diarrhea in Australia (1986)
- **Comments:** Campylobacter jejuni (C. jejuni) subsp. doylei, strain 093 was deposited at ATCC® in 1989 by Dr. R. J. Owen, Deputy Curator, Central Public Health Laboratory, National Collection of Type Cultures, London, England.

*Campylobacter jejuni* is a Gram-negative slender, curved, motile rod commonly found in animal feces. It is a microaerophilic organism that is very sensitive to environmental stresses. C. jejuni is among the most frequently identified bacterial causes of human gastroenteritis in the United States and other industrialized countries. Food poisoning caused by *C. jejuni* can be largely attributed to the consumption of contaminated food animal products, especially poultry. In most cases, the resulting infection can be severely debilitating but is rarely life-threatening. *C. jejuni* is composed of two subspecies: *doylei* and *jejuni*. They can be distinguished from each other on the basis of nitrate reduction and Cephalothin susceptibility. The pathogenic role of *C. jejuni* subsp. *doylei* is not known.

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

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

**Packaging/Storage:**
NR-124 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
  - Tryptic Soy Agar

**Incubation:**
- **Temperature:** 37°C
- **Atmosphere:** Microaerophilic (3–5% O₂ and 4–8% CO₂)

**Propagation:**
1. Keep vial frozen until ready for use; thaw slowly.
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 under microaerophilic conditions.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH: *Campylobacter jejuni* subsp. *doylei*, Strain 093, NR-124.”

**Biosafety Level:** 2


**Disclaimers:**
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References:

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