

***Campylobacter jejuni* subsp. *jejuni*, Strain D3180**

**Catalog No. NR-398**

(Derived from ATCC® BAA-218™)

**Product Description:** *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.

**Lot<sup>1</sup>: 4034914**

**Manufacturing Date: 10FEB2005**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis<sup>2</sup></b> Cellular morphology Colony morphology <sup>3</sup> Biochemical tests Oxidase Catalase Urease Nitrate reduction H <sub>2</sub> S production Hippurate hydrolysis Antibiotic susceptibility Nalidixic acid Cephalothin Viability (25°C, 5 days) Viability (42°C, 5 days)	Gram-negative rod Report results  Positive Positive Negative Positive Negative Positive  Sensitive <sup>4</sup> Resistant No growth Growth	Gram-negative rod Circular, glistening  Positive Positive Negative Positive Negative Positive  Sensitive Resistant No growth Growth
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 690 base pairs)	Consistent with <i>Campylobacter jejuni</i>	Consistent with <i>Campylobacter jejuni</i> <sup>5</sup>
<b>Viability (post-vialing)<sup>6</sup></b>	Growth	Growth

<sup>1</sup>NR-398 was produced by inoculation of ATCC® BAA-218™ into Tryptic Soy Broth (BD 211825) on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood and incubated for 24 hours at 37°C in a microaerophilic (3-5% O<sub>2</sub> and 5% CO<sub>2</sub>) atmosphere.

<sup>2</sup>Hunt, J. M., C. Abeyta, and T. Tran. *Bacteriological Analytical Manual*, 8th Edition, Revision A. U. S. Food and Drug Administration 1998. 26-04-2007; <http://www.cfsan.fda.gov/~ebam/bam-7.html>.

<sup>3</sup>24 hours at 37°C in a microaerophilic (3-5% O<sub>2</sub> and 5% CO<sub>2</sub>) atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

<sup>4</sup>Nalidixic acid-resistant *Campylobacter jejuni* have been reported.

<sup>5</sup>Also consistent with other *Campylobacter*

<sup>6</sup>24 hours at 37°C in a microaerophilic (3-5% O<sub>2</sub> and 5% CO<sub>2</sub>) atmosphere in Tryptic Soy Broth on Tryptic Soy Agar with 5% defibrinated sheep blood

**Date:** 23 MAR 2009

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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