

## *Campylobacter jejuni* subsp. *jejuni*, Strain MK 7

### Catalog No. NR-4083

(Derived from ATCC® 43432™)

**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>: 7731417**

**Manufacturing Date: 15JAN2007**

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, 7 days) Viability (42°C, 48 hrs) FAME	Gram-negative, rod Circular, low convex, entire and glistening  Positive Positive Negative Positive Negative Positive  Sensitive <sup>4</sup> Resistant No growth Growth Consistent with <i>Campylobacter jejuni</i>	Gram-negative, rod Circular, low convex, entire and glistening  Positive Positive Negative Positive Negative Positive  Sensitive Resistant No growth Growth Consistent with <i>Campylobacter jejuni</i>
<b>Genotypic Analysis</b> Sequencing of 16S Ribosomal RNA Gene (~ 580 base pairs)	Consistent with <i>Campylobacter jejuni</i>	Consistent with <i>Campylobacter jejuni</i> <sup>5</sup>
<b>Viability (post-vialing)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>NR-4083 was produced by inoculation of ATCC® 43432™ into Brucella Broth (BD 211088) on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood Kolle and incubated at 37°C in a microaerophilic (3–5% O<sub>2</sub> and 5% CO<sub>2</sub>) atmosphere for 48 hours.

<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>48 hours at 37°C on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood and incubated at 37°C in a microaerophilic (3–5% O<sub>2</sub> and 5% CO<sub>2</sub>) atmosphere.

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

<sup>5</sup>Also consistent with *Campylobacter coli*.

**Date:** 12 JUN 2007

**Signature:** Signature on File

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

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.



**Biodefense and Emerging Infections Research Resources Repository**

P.O. Box 4137

Manassas, VA 20108-4137 USA

[www.beiresources.org](http://www.beiresources.org)

800-359-7370

Fax: 703-365-2898

E-mail: [contact@beiresources.org](mailto:contact@beiresources.org)