Certificate of Analysis for NR-395

Campylobacter jejuni subsp. *jejuni*, Strain BG 177

Catalog No. NR-395
(Derived from ATCC® 35918™)

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[1]: 3837345 **Manufacturing Date: 26AUG2004**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis[2]		
Cellular morphology	Gram-negative rod	Gram-negative rod
Colony morphology[3]	Report results	Circular, translucent
Biochemical tests		
Oxidase	Positive	Positive
Catalase	Positive	Positive
Urease	Negative	Negative
Nitrate reduction	Positive	Positive
H_2S production	Negative	Negative
Hippurate hydrolysis	Positive	Positive
Antibiotic susceptibility		
Nalidixic acid	Sensitive[4]	Sensitive
Cephalothin	Resistant	Resistant
Viability (25°C, 5 days)	No growth	No growth
Viability (42°C, 5 days)	Growth	Growth
FAME	Consistent with *Campylobacter jejuni*	Consistent with *Campylobacter jejuni*
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 550 base pairs)	Consistent with *Campylobacter jejuni*	Consistent with *Campylobacter jejuni*[5]
Viability (post-vialing)[6]	Growth	Growth

[1]NR-395 was produced by inoculation of ATCC® 35918™ 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_2 and 5% CO_2) atmosphere.
[2]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.
[3]24 hours at 37°C in a microaerophilic (3-5% O_2 and 5% CO_2) atmosphere on Tryptic Soy Agar (BD 236950) with 5% defibrinated sheep blood
[4]Nalidixic acid-resistant *Campylobacter jejuni* have been reported.
[5]Also consistent with *Campylobacter coli*
[6]24 hours at 37°C in a microaerophilic (3-5% O_2 and 5% CO_2) atmosphere in Tryptic Soy Broth on Tryptic Soy Agar with 5% defibrinated sheep blood

Date: 17 MAR 2009 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

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