

Campylobacter jejuni, Strain C4852

Catalog No. NR-22123

Product Description:

Campylobacter jejuni (*C. jejuni*), strain C4852 (also referred to as 4852) was isolated in 2010 from chicken carcass rinse in Washington State, USA. Strain C4852 was deposited to BEI Resources as multi-locus sequence type (ST) 267 and assigned to clonal complex ST-283 based on multi-locus sequence typing of seven housekeeping genes. The deposited material was inoculated into *Brucella* broth and grown for 1 day at 37°C in a microaerophilic atmosphere (~ 6% to 16% O₂ and 2% to 10% CO₂), and the resulting subculture was vialled and frozen. NR-22123 was produced by inoculation of the frozen subculture into *Brucella* broth, which was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood plate, and both were grown for 2 days at 37°C in a microaerophilic atmosphere. Colonies from the Tryptic Soy agar with 5% defibrinated sheep blood plate were suspended in the *Brucella* broth growth, and the growth mixture was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 2 days at 37°C in a microaerophilic atmosphere to produce this lot.

Lot: 70070744

Manufacturing Date: 13SEP2024

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rods Report results Report results <i>C. jejuni</i>	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Motile <i>C. jejuni</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs)	≥ 99% sequence identity to <i>C. jejuni</i> type strain (GenBank: CP149499.1)	99.8% sequence identity to <i>C. jejuni</i> type strain (GenBank: CP149499.1) ¹
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with and without 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) 2 days at 37°C in a microaerophilic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Campylobacter* species

Figure 1: Colony Morphology



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