

Campylobacter jejuni, Strain C4664

Catalog No. NR-22128

Product Description:

Campylobacter jejuni (*C. jejuni*), strain C4664 was isolated in 2009 from cattle feces in Washington State, USA. Strain C4664 was deposited to BEI Resources as multi-locus sequence type (ST) 1244 and assigned to clonal complex ST-61. 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 vial and frozen. NR-22128 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 a 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: 70070745

Manufacturing Date: 30AUG2024

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony 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, low convex, entire, smooth and gray (Figure 1) Motile <i>C. jejuni</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% sequence identity to <i>C. jejuni</i> type strain (GenBank: CP149499.1)	99.6% 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 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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