

***Clostridium difficile*, Strain NAP08 (CDC#2007019)**
Catalog No. HM-89
Product Description: *Clostridium difficile* (*C. difficile*), strain NAP08 (CDC#2007019) was isolated from human feces.

Lot¹: 58989283
Manufacturing Date: 15MAR2010

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² RapID™ ANA II Panel	Gram-positive rod Report results Consistent with <i>C. difficile</i>	Gram-positive rod Irregular, opaque and gray (Figure 1) Consistent with <i>C. difficile</i>
Genotypic Analysis Sequencing of 16S Ribosomal RNA Gene (~ 1360 base pairs)	Consistent with <i>C. difficile</i>	Consistent with <i>C. difficile</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)³	Growth	Growth

¹*C. difficile*, strain NAP08 (CDC#2007019) was deposited by Professor J. Glenn Songer, Department of Veterinary Sciences and Microbiology, University of Arizona, Tucson, Arizona. The deposited material was inoculated into Reinforced Clostridial Broth (ATCC medium 1053) and incubated for 48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged two times in Reinforced Clostridial Broth for 48 hours at 37°C and anaerobic atmosphere [80% N₂:10% CO₂:10% H₂] to produce this lot.

²48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂) on CDC Anaerobe 5% Sheep Blood Agar

³24 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂) on CDC Anaerobe 5% Sheep Blood Agar

Figure 1

Date: 12 AUG 2010

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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