

***Clostridium difficile*, Strain NAP07 (CDC#2007054)**

Catalog No. HM-88

Product Description: *Clostridium difficile* (*C. difficile*), strain NAP07 (CDC#2007054) was isolated from human feces.

Lot¹: 58989282

Manufacturing Date: 22JAN2010

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, flat 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 NAP07 (CDC#2007054) 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 72 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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