

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-88

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.

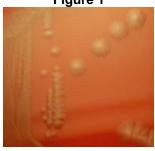
Lot¹: 58989282 Manufacturing Date: 22JAN2010

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 C. difficile	Consistent with C. difficile
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze) ³	Growth	Growth

¹C. 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





Date: 12 AUG 2010 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

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