

Certificate of Analysis for NR-32883

Clostridium difficile, Strain P2

Catalog No. NR-32883

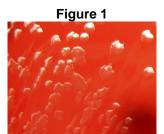
Product Description: Clostridium difficile (C. difficile), strain P2 is a toxigenic strain obtained in 2001 from fecal material of a human patient with a C. difficile infection in western Pennsylvania, USA.

Lot¹: 61600077 Manufacturing Date: 15MAR2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rods	Gram-positive rods
Colony morphology ²	Report results	Irregular, flat, slightly undulate, opaque and gray (Figure 1)
Hemolysis ²	Report results	Non-hemolytic
Biochemical tests:	·	
Remel RapID™ ANA II Panel	Consistent with C. difficile	Consistent with C. difficile
Esculin hydrolysis	Positive	Positive
Gelatin hydrolysis	Positive	Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	Consistent with C. difficile	Consistent with C. difficile
Viability (post-freeze) ²	Growth	Growth

¹The deposited material was inoculated into Modified Reinforced Clostridial medium and incubated for 48 hours at 37°C in an anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium at 37°C for 48 hrs in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²48 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood



Date: 21 OCT 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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