

Certificate of Analysis for NR-32896

Clostridium difficile, Strain P20

Catalog No. NR-32896

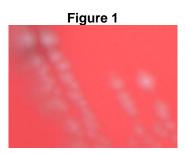
Product Description: Clostridium difficile (C. difficile), strain P20 is a toxigenic strain obtained in 2005 from fecal material of a human patient with a relapsing C. difficile infection in western Pennsylvania, USA.

Lot¹: 62082890 Manufacturing Date: 11OCT2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rods	Gram-positive rods
Colony morphology ²	Report results	Irregular, flat, 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 (~ 760 base pairs)	Consistent with C. difficile	Consistent with C. difficile
Viability (post-freeze) ²	Growth	Growth

NR-32896 was produced by inoculation of the deposited material into Modified Reinforced Clostridial medium and incubated for 48 hours at 37°C in an anaerobic atmosphere (80% N₂:20% CO₂). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium at 37°C for 48 hours in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

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



Date: 25 JUL 2014

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