

***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 Colony morphology ² Hemolysis ² Biochemical tests: Remel RapID™ ANA II Panel Esculin hydrolysis Gelatin hydrolysis	Gram-positive rods Report results Report results Consistent with <i>C. difficile</i> Positive Positive	Gram-positive rods Irregular, flat, slightly undulate, opaque and gray (Figure 1) Non-hemolytic Consistent with <i>C. difficile</i> Positive Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	Consistent with <i>C. difficile</i>	Consistent with <i>C. difficile</i>
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

Figure 1



Date: 21 OCT 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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