

## **Certificate of Analysis for NR-32886**

## Clostridium difficile, Strain P6

## Catalog No. NR-32886

Product Description: Clostridium difficile (C. difficile), strain P6 is a toxigenic strain obtained in 2001 from fecal material of a human patient with a relapsing C. difficile infection in western Pennsylvania, USA.

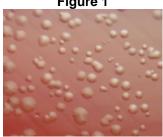
Lot1: 62082909 Manufacturing Date: 24OCT2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive rods	Gram-positive rods
Colony morphology <sup>2</sup>	Report results	Irregular, flat, lobate, opaque and gray (Figure 1)
Hemolysis <sup>2</sup>	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 (~ 860 base pairs)	Consistent with C. difficile	Consistent with C. difficile
Purity (post-freeze) <sup>3</sup>	Growth consistent with C. difficile	Growth consistent with C. difficile
Viability (post-freeze) <sup>2</sup>	Growth	Growth

NR-32886 was produced by inoculation of the deposited material into Modified Reinforced Clostridial medium and incubated for 67 hours at 37°C in an anaerobic atmosphere (80% N<sub>2</sub>:20% CO<sub>2</sub>). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium at 37°C for 74 hours in an anaerobic atmosphere to produce this lot.

<sup>&</sup>lt;sup>3</sup>Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere.





Date: 26 AUG 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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<sup>&</sup>lt;sup>2</sup>48 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood