

***Clostridium difficile*, Strain P13**

**Catalog No. NR-32891**

**Product Description:** *Clostridium difficile* (*C. difficile*), strain P13 is a toxigenic strain obtained in 2005 from fecal material of a human patient with a *C. difficile* infection in western Pennsylvania, USA.

**Lot<sup>1</sup>: 62082905**

**Manufacturing Date: 25OCT2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) Hemolysis <sup>2</sup> Biochemical tests Remel RapID™ ANA II Panel Esculin hydrolysis Gelatin hydrolysis	Gram-positive rods Report results  Motile Report results  Consistent with <i>C. difficile</i> Positive Positive	Gram-positive rods Irregular, flat, undulate, opaque and gray (Figure 1) Motile Non-hemolytic  Consistent with <i>C. difficile</i> Positive Positive
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with <i>C. difficile</i>	Consistent with <i>C. difficile</i> <sup>3</sup>
<b>Purity (post-freeze)<sup>4</sup></b>	Growth consistent with <i>C. difficile</i>	Growth consistent with <i>C. difficile</i>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-32891 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 (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™ R681001). Broth inoculum was added to Tryptic Soy agar with 5% sheep blood kolles which were grown 47 hours at 37°C in an anaerobic atmosphere to produce this lot.

<sup>2</sup>47 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>100% identical to GenBank: AVLU01000036 (*Clostridium difficile*, strain P13)

<sup>4</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.

**Figure 1**



**Date:** 22 AUG 2014

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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