

***Peptoclostridium difficile*, Strain CD160**

Catalog No. NR-43516

Product Description: *Peptoclostridium difficile* (*P. difficile*; also referred to as *Clostridium difficile*), strain CD160 is a non-toxicogenic strain isolated in March 2010 from the stool of a patient with non-*Clostridium difficile* infection (CDI) diarrhea in Ann Arbor, Michigan, USA.

Lot¹: 64463692

Manufacturing Date: 12AUG2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ² Motility (wet mount) Biochemical tests: Esculin hydrolysis Gelatin hydrolysis VITEK [®] MS (MALDI-TOF)	Gram-positive rods Report results Report results Report results Positive Positive <i>P. difficile</i>	Gram-positive rods Irregular, low convex, undulate, smooth and gray (Figure 1) Non-hemolytic Motile Positive Positive <i>P. difficile</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 320 base pairs) (~ 770 base pairs)	≥ 99% sequence identity to <i>P. difficile</i> , strain CD160 (GenBank: AVHW01000016.1) Consistent with <i>P. difficile</i>	99.7% sequence identity to <i>P. difficile</i> , strain CD160 (GenBank: AVHW01000016.1) Consistent with <i>P. difficile</i>
Purity (post-freeze) Anaerobic growth ³ Aerobic growth ⁴	Growth consistent with expected colony morphology No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)²	Growth	Growth

¹NR-43516 was produced by inoculation of the deposited material into Modified Reinforced Clostridial medium and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack-Anaero™ R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

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

³Purity was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁴Purity was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 28 NOV 2016

Signature: 

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