

***Peptoclostridium difficile*, Strain CD34**
Catalog No. NR-43506

Product Description: *Peptoclostridium difficile* (*P. difficile*; also referred to as *Clostridium difficile*), strain CD34 is a non-toxigenic strain isolated in January 2010 from the stool of an asymptomatic patient in Ann Arbor, Michigan, USA.

Lot¹: 62910824
Manufacturing Date: 03NOV2014

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 Consistent with <i>P. difficile</i>	Gram-positive rods Irregular, flat, undulate, rough and gray (Figure 1) Non-hemolytic Motile Positive Positive Consistent with <i>P. difficile</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with <i>P. difficile</i>	Consistent with <i>P. difficile</i> ³
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Growth consistent with <i>P. difficile</i> No growth	Growth consistent with <i>P. difficile</i> No growth
Viability (post-freeze)²	Growth	Growth

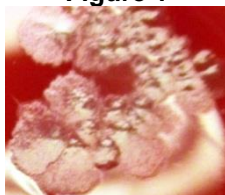
¹NR-43506 was produced by inoculation of the deposited material into Modified Reinforced Clostridial medium and incubated for 47 hours at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack-Anaero™ R681001). The material from the initial growth was passaged once in Modified Reinforced Clostridial medium for 71 hours under propagation conditions to produce this lot.

²3 days on Tryptic Soy agar with 5% defibrinated sheep blood under propagation conditions

³≥ 99.7% identical to GenBank: AVGQ01000008.1 (*P. difficile*, strain CD34)

⁴Purity of this lot was assessed for 10 days on Tryptic Soy agar with 5% defibrinated sheep blood under propagation conditions.

⁵Purity of this lot was assessed for 10 days on Tryptic Soy agar with 5% defibrinated sheep blood in an aerobic atmosphere with 5% CO₂.

Figure 1

Date: 04 JUN 2015
Signature:
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BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org

Tel: 800-359-7370

Fax: 703-365-2898