

***Clostridium difficile*, Isolate 5**

Catalog No. NR-13431

Product Description: *Clostridium difficile* (*C. difficile*), isolate 5 was obtained from a human patient from the Mid-Atlantic region of the United States in 2008/2009.

Lot¹: 59438825

Manufacturing Date: 21JAN2011

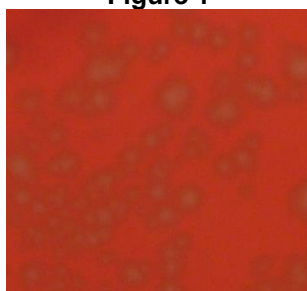
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis² Cellular morphology Colony morphology ³ Obligate Anaerobe Hemolysis ³ Chartreuse fluorescence on anaerobic blood agar ³ Biochemical tests: RapID™ ANA II Panel Esculin hydrolysis Gelatin hydrolysis	Report results Report results Positive Report results Positive Consistent with <i>C. difficile</i> Positive Positive	Gram-positive rod Irregular, flat, slightly undulate, opaque, rough and gray (Figure 1) Positive Non-hemolytic Positive Consistent with <i>C. difficile</i> Positive Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs)	Consistent with <i>C. difficile</i>	Consistent with <i>C. difficile</i>
Viability (post-freeze)³	Growth	Growth

¹The deposited material was inoculated into Modified Reinforced Clostridial Broth ([ATCC medium 2107](#)) and incubated for 48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged three times under the above conditions. NR-13431 was produced from the fourth passage.

²Specifications described in Holdeman, L. V., E. P. Cato, and W. E. C. Moore, Eds. *Anaerobe Laboratory Manual*. 4th ed., Blacksburg: Virginia Polytechnic Institute and State University, 1977.

³48 hours at 37°C and anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

Figure 1



Date: 10 MAY 2012

Signature:

Title: Technical Manager, BEI Authentication or designee

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