

***Clostridium difficile*, Strain 002-P50-2011**

Catalog No. HM-746

Product Description: *Clostridium difficile* (*C. difficile*), strain 002-P50-2011 was isolated in January 2011 from the stool of a patient with diarrhea.

Lot^{1,2}: 70005399

Manufacturing Date: 18MAY2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rod Report results Report results	Gram-positive rod Irregular, flat, entire, opaque and gray Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 790 base pairs)	≥ 99% sequence identity to <i>C. difficile</i> , strain 002-P50-2011 (GenBank: AGAA01000048.1)	99.9% sequence identity to <i>C. difficile</i> , strain 002-P50-2011 (GenBank: AGAA01000048.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology Report results	Consistent with expected colony morphology No growth
Viability (post-freeze)³	Growth	Growth

¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*C. difficile*, strain 002-P50-2011 was deposited by Linda D. Bobo, M.D., Ph.D., Department of Infectious Diseases, Washington University of Medicine, St. Louis, Missouri, USA. Lot 70005399 of HM-746 was produced by inoculation of BEI Resources HMS-746 (Lot: 60730079) into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ AnaeroPack®-Anaero). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

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

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

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

Date: 13 SEP 2017

Signature:



BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by ATCC® 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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