

Enterocloster bolteae, Strain CC43_001B

Catalog No. HM-1038

Product Description:

Enterocloster bolteae (*E. bolteae*), strain CC43_001B was isolated in October 2010 from colonic biopsy tissue of a human subject in Victoria, British Columbia, Canada. Previously referred to as *Clostridium bolteae*, this genus has been reclassified and the genus designation on the vial label refers to the old nomenclature. HM-1038 lot 70046943 was produced by inoculation of BEI Resources seed lot 63266120 into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™) to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: Quality 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.

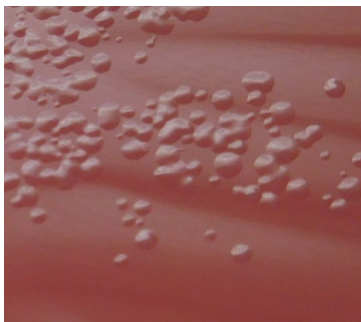
Lot: 70046943

Manufacturing Date: 03SEP2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rods Report results Motile	Gram-negative rods ¹ Irregular, flat, undulate, rough and gray (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)	≥ 99% sequence identity to <i>E. bolteae</i> type strain (GenBank: CP022464.2)	99.6% sequence identity to <i>E. bolteae</i> type strain (GenBank: CP022464.2)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹*Enterocloster bolteae*, originally classified as genus *Clostridium*, is a Gram-positive organism; however, some species of *Clostridium* with Gram-positive cell walls will stain Gram-negative or Gram-variable when used for staining during later growth phases (Beveridge, T. J. "Mechanism of Gram Variability in Select Bacteria." *J. Bacteriol.* 172 (1990): 1609-1620. PubMed: 1689718.).

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

17 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

