

Enterobacter cloacae complex, Strain BEI02

Catalog No. NR-50392

Product Description:

Enterobacter cloacae complex (*E. cloacae complex*), strain BEI02 is from an unknown origin. NR-50392 lot 70057712 was produced by inoculation of the BEI Resources seed lot 64391825 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70057712

Manufacturing Date: 06JAN2023

BEI Resources is committed to ensuring digital accessibility for people with disabilities. This Certificate of Analysis contains complex tables and may not be fully accessible. Please let us know if you encounter accessibility barriers and a fully accessible document will be provided. E-mail: Contact@BEIResources.org. We try to respond to feedback within 24 hours.

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® 2 Compact (GN card)	Gram-negative rods Report results Report results <i>E. cloacae complex</i> (≥ 89.9%)	Gram-negative rods Circular, entire, low convex, smooth and cream Motile <i>E. cloacae complex</i> (97% probability) ¹
Antibiotic Susceptibility Profile²		
VITEK® (AST-GN84 card) Amoxicillin/Clavulanic Acid Aztreonam Beta-lactamase ³ Cefazolin Ceftriaxone Ciprofloxacin Ertapenem Gentamicin Imipenem Levofloxacin Meropenem Nitrofurantoin Tetracycline Trimethoprim/sulfamethoxazole Etest® antibiotic test strips 1 day at 35°C in an aerobic atmosphere on Mueller Hinton agar Ampicillin Cefepime Piperacillin/tazobactam	Resistant Resistant Positive Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Resistant Sensitive Sensitive Resistant Resistant Sensitive Resistant	Resistant (≥ 32 µg/mL) Resistant (≥ 64 µg/mL) Positive Resistant (≥ 64 µg/mL) Resistant (≥ 64 µg/mL) Resistant (≥ 4 µg/mL) Resistant (4 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 8 µg/mL) Resistant (≥ 16 µg/mL) Sensitive (≤16 µg/mL) Sensitive (4 µg/mL) Resistant (≥ 320 µg/mL) Resistant (≥ 256 µg/mL) Sensitive (2 µg/mL) Resistant (48 µg/mL)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1370 base pairs)	≥ 99% sequence identity to <i>E. cloacae complex</i> type strain (Genbank: NR_118568.1)	99.3% sequence identity to <i>E. cloacae complex</i> type strain (Genbank: NR_118568.1) ⁴
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology

TEST	SPECIFICATIONS	RESULTS
7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Percent probabilities above 90% indicate a close match to the typical biochemical pattern for the given organism, with a percent probability of 99% being a perfect match between the test reaction pattern and the unique biochemical pattern of the given organism or organism group. For additional information, please refer to O'Hara, C.M. and J. M. Miller. "Evaluation of the Vitek 2 ID-GNB Assay for Identification of Members of the Family Enterobacteriaceae and Other Nonenteric Gram-Negative Bacilli and Comparison with the Vitek GNI+ Card." J. Clin. Microbiol. 41 (2003): 2096-2101. PubMed: 12734254.

²Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

³The production of beta-lactamase was detected using a Cefinase™ Paper Disc (BBL™ 231650).

⁴Also consistent with other *Enterobacter* species

/Sonia Bjorum Brower/
Sonia Bjorum Brower

12 OCT 2023

Technical 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.

