

***Escherichia coli*, Strain JJ1887**

Catalog No. NR-51487

This reagent is the tangible property of the U.S. Government.

Product Description:

Escherichia coli (*E. coli*), strain JJ1887 was isolated in 2007 from a woman with recurrent cystitis.

Lot: 70021689¹

Manufacturing Date: 10JUL2019

[illegible]

¹NR-51487 was produced by inoculation of the deposited material onto Tryptic Soy agar and grown 1 day at 37°C in an aerobic atmosphere. Colonies from the agar growth were preserved in Tryptic Soy broth supplemented with 10% glycerol. NR-51487 was produced by inoculation of the preserved material into Tryptic Soy broth, which was grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy kolles and grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

²¹ day at 37°C in an aerobic atmosphere on Tryptic Soy agar³Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

⁴The VITEK® 2 ESBL Test is a confirmatory test for Extended-Spectrum Beta-Lactamases (ESBLs) inhibited by clavulanic acid and utilizes cefepime, cefotaxime and ceftazidime, with and without clavulanic acid, to determine a positive or negative result.

⁵Because *E. coli* strain JJ1887 is a confirmed ESBL-producer, CSLI recommendations are to modify the interpretation of ceftazidime and cefepime based on the susceptibilities of other antibiotics in the same class, suggesting that this isolate is resistant to ceftazidime and cefepime.

⁶¹ day at 37°C in an aerobic atmosphere on Mueller Hinton agar

⁷CLSI does not have published polymyxin B MIC breakpoints for *E. coli*. Isolates are defined only as wild type or non-wild type. For more information, please refer to Chew, K. L., et al. "Colistin and Polymyxin B Susceptibility Testing for Carbapenem-Resistant and *mcr*-Positive Enterobacteriaceae: Comparison of Sensititre, MicroScan, Vitek 2, and Etest with Broth Microdilution." *J. Clin. Microbiol.* 55 (2017): 2609-2616. PubMed: 28592552.

⁸Also consistent with *Shigella* and other *Escherichia* species

⁹Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with and without 5% CO₂ on Tryptic Soy agar.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

06 AUG 2019

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.

