

Certificate of Analysis for NR-51488

Escherichia coli, Strain MVAST0072

Catalog No. NR-51488

Product Description:

Escherichia coli (E. coli), strain MVAST0072 was isolated in 2010 from urine of a male patient with a urinary tract infection.

Lot: 70021691¹ Manufacturing Date: 18JAN2019

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¹NR-51488 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles, which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.

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²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar

³Minimum 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 MVAST0072 is a confirmed ESBL-producer, CSLI recommendations are to modify the interpretation of ceftazidime based on the susceptibilities of other antibiotics in the same class, suggesting that this isolate is resistant to ceftazidime.

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

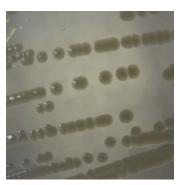


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⁷CLSI does not have published polymyxin B MIC breakpoints for *E. coli*. Isolates are defined only as wild type or non-wild type. For more information, please refer to Chew, K. L., et al. "Colistin and Polymyxin B Susceptibility Testing for Carbapenem-Resistant and *mcr*-Positive Enterobacteriaceae: Comparison of Sensititre, MicroScan, Vitek 2, and Etest with Broth Microdilution." <u>J. Clin. Microbiol.</u> 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 5% CO₂ on Tryptic Soy agar.





/Heather Couch/ Heather Couch

20 SEP 2019

Program Manager or designee, ATCC Federal Solutions

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