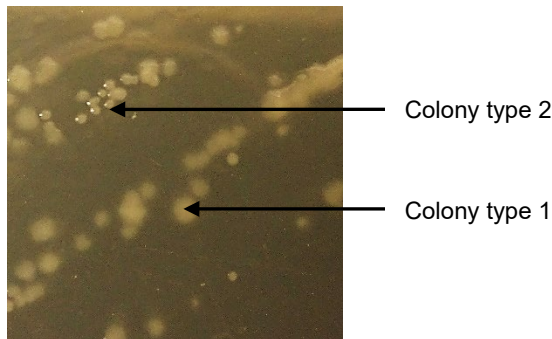


TEST	SPECIFICATIONS	RESULTS
Purity 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Nutrient agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability	Growth	Growth

- ¹Two colony types were observed. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *P. aeruginosa*.
- ²Minimum Inhibitory Concentration (MIC); MIC interpretation was determined using VITEK® 2 software version 09.01 combined with the bioMérieux Advanced Expert System™ (AES) software using the interpretation standard CLSI M100-S28 (2018) and the interpretation guideline "Natural Resistance." For more information, please refer to Sanders, C. C. et al. "Potential Impact of the VITEK 2 System and the Advanced Expert System on the Clinical Laboratory of a University-Based Hospital." *J. Clin. Microbiol.* 39 (2001): 2379-2385. PubMed: 11427542.
- ³1 day at 35°C in an aerobic atmosphere on Mueller Hinton agar
- ⁴Minimum Inhibitory Concentration (MIC); MIC interpretation guidelines CLSI M100-S28 (2018)
- ⁵Rifampin MIC interpretive standards are not available for *P. aeruginosa*. Strain Stone no. 130 is reported to be rifampin-sensitive and does not grow in media containing rifampin at a concentration of 100 µg/mL. For more information, please refer to Jacoby, G. A. "Properties of R plasmids Determining Gentamicin Resistance by Acetylation in *Pseudomonas aeruginosa*." *Antimicrob. Agents Chemother.* 6 (1974): 239-252. PubMed: 15830469.
- ⁶Streptomycin MIC interpretive standards are not available for *P. aeruginosa*. Strain Stone no. 130 contains IncP-2 plasmid pMG2, which confers resistance toward gentamicin, streptomycin and sulfonamides. Using an agar dilution method, the depositor determined that strains containing pMG2 have a MIC of 5000 µg/mL. Although strain Stone no. 130 can grow in the presence of a high level of streptomycin, BEI Resources did not confirm the presence of pMG2 by molecular methods. For more information, please refer to Jacoby, G. A. "Properties of R plasmids Determining Gentamicin Resistance by Acetylation in *Pseudomonas aeruginosa*." *Antimicrob. Agents Chemother.* 6 (1974): 239-252. PubMed: 15830469.
- ⁷Trimethoprim/sulfamethoxazole MIC interpretive standards are not available for *P. aeruginosa*; however most clinical isolates are resistant to trimethoprim/sulfamethoxazole. Strain Stone no. 130 contains IncP-2 plasmid pMG2, which confers resistance toward gentamicin, streptomycin and sulfonamides. Although strain Stone no. 130 can grow in the presence of a high level of trimethoprim/sulfamethoxazole, BEI Resources did not confirm the presence of pMG2 by molecular methods. For more information, please refer to Jacoby, G. A. "Properties of R plasmids Determining Gentamicin Resistance by Acetylation in *Pseudomonas aeruginosa*." *Antimicrob. Agents Chemother.* 6 (1974): 239-252. PubMed: 15830469 and Sanders, C. C. et al. "Potential Impact of the VITEK 2 System and the Advanced Expert System on the Clinical Laboratory of a University-Based Hospital." *J. Clin. Microbiol.* 39 (2001): 2379-2385. PubMed: 11427542.
- ⁸MIC result is based on the trimethoprim component of the test strip.
- ⁹Ceftriaxone MIC interpretive standards are not available for *P. aeruginosa*; however, most of the strains are resistant to ceftriaxone. For more information, please refer to Watanakunakorn, C. "In vitro Activity of Ceftriaxone Alone and in Combination with Gentamicin, Tobramycin, and Amikacin against *Pseudomonas aeruginosa*." *Antimicrob. Agents Chemother.* 24 (1983): 305-306. PubMed: 6314890.

Figure 1: Colony Morphology



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19 DEC 2023

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