

Burkholderia multivorans, Strain CGD2

Catalog No. NR-20534

Product Description:

Burkholderia multivorans (*B. multivorans*), strain CGD2 was isolated prior to 2007 from a human respiratory sample from a patient with chronic granulomatous disease in Maryland, USA.

Lot: 70026743¹

Manufacturing Date: 27JUN2019

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Biochemical characterization VITEK [®] 2 Compact (GN card) VITEK [®] MS (MALDI-TOF)	Report results Report results Report results <i>B. multivorans</i> (≥ 89.9%) <i>B. multivorans</i>	Gram-negative rods Circular, convex, entire, smooth, mucoid and white (Figure 1) Motile <i>B. multivorans</i> (99%) <i>B. multivorans</i> (99.9%)
Antibiotic Susceptibility Profile³ VITEK [®] (AST-GN81 Card) Ampicillin Amoxicillin/Clavulanic Acid Piperacillin/Tazobactam Cefazolin Cefoxitin Ceftazidime Ceftriaxone Meropenem Amikacin Gentamicin Tobramycin Ciprofloxacin Levofloxacin Tetracycline Nitrofurantoin Trimethoprim/sulfamethoxazole	Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results	Resistant (≥ 32 µg/mL) Resistant (≥ 32 µg/mL) Resistant (≥ 128 µg/mL) Resistant (≥ 64 µg/mL) Resistant (≥ 64 µg/mL) Sensitive (≤ 1 µg/mL) Sensitive (≤ 1 µg/mL) Sensitive (1 µg/mL) Resistant (≥ 64 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 16 µg/mL) Resistant (2 µg/mL) Intermediate (4 µg/mL) Resistant (≥ 16 µg/mL) Resistant (≥ 512 µg/mL) Sensitive (≤ 20 µg/mL)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>B. multivorans</i> , strain CGD2 (GenBank: ACFC01000015.1)	99.9% sequence identity to <i>B. multivorans</i> , strain CGD2 (GenBank: ACFC01000015.1) ⁴
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-20534 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

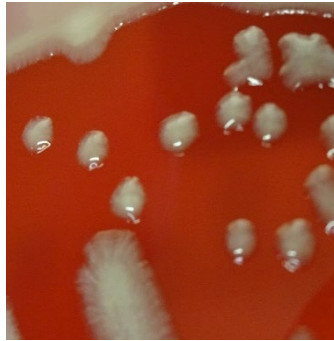
²1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

³Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S28 (2018)

⁴Also consistent with other *Burkholderia* species

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

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