

Patient:	Specimen: WOUND	Physician:
DOB:	Received: MM/DD/YYYY 0:00PM	Phone: (000)000-0000
Patient ID:	Completed: MM/DD/YYYY	Fax: (000)000-0000
Gender:	Accession: 123456	Collected: MM/DD/YYYY 0:00 PM

Comprehensive Identification (Sequencing Results)

MicroGen DX Laboratories' comprehensive testing (patent pending) is a relative quantitative universal test for bacteria/fungi. DNA sequencing methods are used to identify the microorganisms' genetic signatures and the estimated percentage of organisms present in the specimen. Virtually all bacteria/fungi are screened for and the most predominant populations are reported.

Rapid Screening (PCR Results)	Amount per g	Comprehensive Identification (Sequencing Results)
Bacterial Load (High)	> 10 ⁷	Detected Bacteria: Pantoea agglomerans 66% Peptoniphilus asaccharolyticus 10% Anaerococcus prevotii 6% Klebsiella pneumoniae 4% Anaerococcus vaginalis 2% Pseudomonas stutzeri 2% NO FUNGAL SPECIES DETECTED
Enterococcus faecalis	8.64 x 10 ⁵	
Klebsiella pneumoniae	Not Detected	
Enterococcus faecium	Not Detected	
Streptococcus pyogenes	Not Detected	
Streptococcus agalactiae	Not Detected	
Candida albicans	Not Detected	
Pseudomonas aeruginosa	Not Detected	
Staphylococcus aureus	Not Detected	
Resistance Genes Detected		
Methicillin		
Resistance Genes Not Detected		
Vancomycin		
Beta-lactam		
Carbapenem		
Macrolide		
Aminoglycoside		
Tetracycline		

Complete Antibiotic Analysis [Next Page(s)]

ANTIBIOTIC DISCLAIMER: Southwest Regional PCR, DBA MicroGen Diagnostics, LLC assumes no liability to patients with respect to the actions of physicians, health care facilities and other users, and is not responsible for any injury, death or damage resulting from the use, misuse or interpretation of information obtained through this antibiotic report. Therapeutic options listed by the program are based upon national antibiotic susceptibility data and antibiograms. Therapy should not be undertaken without a thorough assessment of the indications, contraindications and side effects of any prospective drug or intervention. Furthermore, the database is curated and derived from incidence and prevalence statistics whose accuracy will vary widely for individual diseases and regions of the country. Changes in endemicity, incidence, and drugs of choice may occur. The list of drugs, infectious diseases and even country names will vary with time. Although we endeavor to include such new information on a timely basis, a delay cannot be avoided. For more information please contact us at 1-855-208-0019

DISCLAIMER: (i) This test was developed and performance characteristics have been determined by Southwest Regional PCR, DBA MicroGen Diagnostics, LLC. It has not been cleared or approved by the U.S. Food and Drug Administration (FDA), however, the FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. Its use should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA 88) as qualified to perform high complexity clinical laboratory testing. (ii) A negative result does not rule out the presence of PCR inhibitors, or DNA extraction inhibitors such as lidocaine, in patients specimens or microbial DNA concentrations below the level of detection of the assay. (iii) This test is performed pursuant to an agreement with Roche Molecular Systems, Inc. (iv) Relative quantitation of swabs refers to analyte load levels of <10⁵, 10⁵ to 10⁷, and >10⁷ for low, medium and high respectively.

Class	Generic	Topical	PO	IV	Resp	Gram	66	4	10	6	2	2
						-	-	+	+	+	-	+
						FAn	FAn	An	An	An	Ae	FAn
Aminoglycoside	amikacin	✓		✓	✓	✓					✓	✓
	gentamicin	✓		✓			✓					
anti-psuedomonal penicillins	piperacillin/tazobactam	✓		✓	✓	✓	✓	✓		✓	✓	
Carbapenem	imipenem	✓			✓	✓						
	doripenem	✓									✓	
Cephalosporin 2nd generation	cefuroxime axetil (oral)		✓		✓	✓						
	cefprozil		✓				✓					
fluorquinolones	ciprofloxacin (Cipro)	✓	✓	✓	✓	✓	✓				✓	
	levofloxacin	✓	✓					✓				✓
Polymyxin antibiotic	colistimethate (colistin)	✓		✓	✓	✓					✓	
Glycopeptide	tmp/smx (Bactrim)	✓	✓	✓			✓					✓
	vancomycin	✓		✓				✓	✓			✓
	nitrofurantoin		✓									✓
Tetracycline	tetracycline		✓				✓					
lincosamide	clindamycin (Cleocin)	✓	✓	✓				✓	✓	✓		
Oxazolidine	linezolid	✓	✓	✓				✓	✓	✓		✓
Nitroimidazole Antibiotic	metronidazole	✓	✓	✓					✓	✓		
Extended spectrum penicillin/beta-lactamase inhibitor	amoxicillin/clavulanate (Augmentin)		✓									✓
penicillins	penicillin v		✓									✓

Gram Stain
+: Positive, -: Negative, I:Indeterminate, N: not applicable U: Unknown
Respiration
Ae: Aerobic, An: Anaerobic, FAn: Facultative anaerobic, Unk: Unknown
* Resistance genes found. Consultation with a pharmacist on an appropriate course of treatment with recommendations made at the discretion of the physician based on known interaction and concentrations is recommended.