MicroGen DX
formerly Pathogenius Laboratory

1-855-208-0019 | info@microgendx.com | microgendx.com
SOUTHWEST REGIONAL PCR LABORATORY, DBA MICROGEN DIAGNOSTICS, LLC

Patient:	Specimen:	1) LT ETHMOID 2) RT ETHMOID	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)

Pathogenius 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 Swab Results	Amount (N/A)
Bacterial Load	Low
Haemophilus influenzae	Not Detected
Moraxella catarrhalis	Not Detected
Streptococcus pneumoniae	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	
None	
Resistance Genes Not Detected	
Vancomycin	
Methicillin	
Beta-lactam	
Carbapenem	
Macrolide	
Aminoglycoside	
Tetracycline	

Comprehensive Identification (Sequencing Results)	
Detected Bacteria:	
Streptococcus mitis	21%
Corynebacterium tuberculostearicum	18%
Staphylococcus epidermidis	16%
Peptoniphilus indolicus	9%
Porphyromonas bennonis	4%
Acinetobacter radioresistens	3%
Anaerococcus tetradius	3%
Anaerococcus hydrogenalis	2%
Porphyromonas levii	2%
Propionibacterium acnes	2%
Prevotella buccalis	2%
NO FUNGAL SPECIES DETECTED	

Only relative Rapid Screening Quantitation is obtainable from swab samples.

Complete Antibiotic Analysis [Next Page(s)]

Laboratory Director: Owatha Tatum PhD, HCLD/CC(ABB), MBA

						21	18	16	9	5	2	4	2	2	3
						Streptococcus mitis	Corynebacterium tuberculostearicum	Staphylococcus epidermidis	Peptoniphilus sp	Anaerococcus sp	Propionibacterium acnes	Porphyromonas bennonis	Porphyromonas sp	Prevotella sp	Acinetobacter radioresistens
					Gram	+	+	+	+	+	+	-	-	-	-
Class	**Generic**	**Topical**	**PO**	**IV**	**Resp**	**FAn**	**FAn**	**FAn**	**An**	**An**	**An**	**An**	**An**	**An**	**Ae**
Cephalosporin 3rd/4th generation	ceftriaxone	✓				✓									
Extended spectrum penicillin/beta-lactamase inhibitor	ampicillin/sulbactam	✓				✓			✓						
	amoxicillin/clavulanate (Augmentin)		✓					✓							
fluorquinolones	levofloxacin	✓	✓			✓		✓							
	ciprofloxacin (Cipro)	✓	✓	✓				✓							✓
Glycopeptide	vancomycin	✓		✓		✓	✓	✓	✓		✓				
	tmp/smx (Bactrim)	✓	✓	✓				✓							
Oxazolidine	linezolid	✓	✓	✓		✓	✓	✓	✓	✓	✓				
Tetracycline	doxycycline	✓	✓	✓		✓	✓				✓			✓	
	tetracycline		✓								✓				✓
Macrolide	erythromycin	✓	✓	✓			✓								
	azithromycin	✓	✓								✓				
penicillins	penicillin g	✓					✓								
anti-psuedomonal penicillins	piperacillin/tazobactam	✓		✓				✓							
Carbapenem	doripenem	✓						✓							
	imipenem	✓							✓					✓	
Cephalosporin 1st generation	cephalexin (Keflex)		✓					✓							
RNA sythetase Inhibitor	Mupirocin (bactroban)			✓				✓							
lincosamide	clindamycin (Cleocin)	✓	✓	✓					✓		✓	✓		✓	
Nitroimiadazole Antibiotic	metronidazole	✓	✓	✓								✓	✓	✓	
Polymyxin antibiotic	colistimethate (colistin)	✓		✓								✓		✓	
Cephalosporin 2nd generation	cefuroxime	✓											✓		

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.