



**MICROGEN DIAGNOSTICS**  
2002 W LOOP 289, SUITE 116 | LUBBOCK, TX 79407  
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<b>PATIENT</b>		<b>SPECIMEN</b>	LEFT THIGH	<b>PHYSICIAN</b>	Fife, Caroline
<b>DOB</b>		<b>RECEIVED</b>		<b>PHONE</b>	
<b>PATIENT ID</b>		<b>COMPLETED</b>		<b>FAX</b>	
<b>GENDER</b>	Female	<b>ACCESSION</b>		<b>COLLECTED</b>	

<b>RESISTANCE GENES DETECTED</b>
None

<div style="background-color: #0056b3; color: white; padding: 10px; text-align: center;"> <h1>LEVEL 2 NGS REPORT</h1> </div> <div style="margin-top: 10px;"> <p>COMPREHENSIVE IDENTIFICATION NEXT-GEN DNA SEQUENCING RESULTS with PRIOR PCR RESULTS.</p> </div>			ANTIMICROBIALS FOR CONSIDERATION															
			Gram Stain	Respiration	Aminoglycosides+Aminopenicillins e.g. Ampicillin/Gentamicin	Ampicillin/Amoxicillin	Extended spectrum penicillins/Beta-lactamase inhibitors e.g. Augmentin	Fluoroquinolones e.g. Levofloxacin	Fosfomycin	Glycopeptides e.g. Vancomycin	Linezolid (Zyvox)	Lipopeptides e.g. Cubicin	Nitrofurantoin e.g. Macrobid	Penicillins e.g. Penicillin	Polyenes e.g. Amphotericin B	Triazoles e.g. Diflucan	Triazoles+Echinocandins e.g. Diflucan/Mycamine	
<b>COMPLETE (NGS &amp; PCR RESULTS)</b>	DNA copies (N/A)	<b>NGS</b>																
<b>BACTERIAL LOAD</b>	Low	<b>%</b>																
Enterococcus faecalis	<b>NGS</b>	94%	+	FAn	√	√	√	√	√	√	√	√	√	√				
<b>FUNGI DETECTED</b>	<b>%</b>	<b>ANTIFUNGAL RECOMMENDATION</b>																
Rhizopus oryzae	93%	N													√	√		
Aspergillus flavus	5%	N	Unk												√	√	√	

LAB REPORT KEY			
DNA copies per g: [NGS] = Detected by Next-Gen Seq. Only Bacterial Load: < 10 <sup>5</sup> = LOW 10 <sup>5</sup> to 10 <sup>7</sup> = MED > 10 <sup>7</sup> = HIGH	Gram Stain: [+] = Positive [-] = Negative [V] = Variable [N] = Not Applicable [U] = Unknown	Respiration: [Ae] = Aerobic [An] = Anaerobic [Fan] = Facultative anaerobic [Unk] = Unknown	Antimicrobial: [V] = Proven to be effective. [R] = Resistance genes detected. [ ] = Empty Fields denote Unknown. [PO] = Available in Oral formulations. [IV] = Intravenous; [TP] = Topical.