

1225 Taft Highway, Signal Mountain, TN 37377 |  
 423-805-7966

Patient: Specimen: R & L GREAT TOE  
 DOB: Received: 10/13/2016 1:53 PM  
 Patient ID: Completed: 10/21/2016  
 Gender: Accession: 101711

### Comprehensive Identification (Sequencing Results)

Comprehensive testing (patent pending) is a relative quantitative universal test for bacteria/fungi. DNA sequencing methods are used to identify the pathogens' 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 (Medium)	10 <sup>5</sup> -10 <sup>7</sup>	Detected Bacteria:
Enterococcus faecalis	4.17 x 10 <sup>5</sup>	Corynebacterium xerosis 15%
Trichophyton rubrum	Not Detected	Zimmermannella bifida 13%
Streptococcus agalactiae	Not Detected	Staphylococcus piscifermentans 10%
Streptococcus pyogenes	Not Detected	Brevibacterium antiquum 9%
Vancomycin resistance	Not Detected	Kocuria rosea 8%
Candida albicans	Not Detected	Corynebacterium jeikeium 8%
Enterococcus faecium	Not Detected	Corynebacterium striatum 4%
Pseudomonas aeruginosa	Not Detected	Anaerococcus hydrogenalis 3%
Staphylococcus aureus	Not Detected	Stenotrophomonas maltophilia 3%
Serratia marcescens	Not Detected	Peptoniphilus asaccharolyticus 2%
Methicillin resistance	Not Detected	Staphylococcus sciuri 2%
Resistance Genes Detected		Staphylococcus pettenkoferi 2%
Resistance Genes Not Detected		Dermabacter hominis 2%
		Staphylococcus epidermidis 2%
		Detected Fungi:
		Aspergillus flavus
		Cladosporium cladosporioides
		Pithomyces chartarum
		Cochliobolus spicifer
		Curvularia affinis
		Cochliobolus lunatus