



LAB GENOMICS

Lesion Pathogen Test with Wound Healing Guidance

This assay detects presence of microbial DNA from pathogens that can cause lesions
Provides antibiotic treatment recommendations
Covered by Medicare and most insurances



Clinical Background

- ✓ Wound management has become one of the most complex practices in today's healthcare setting. While there are multiple new advances in treatment dressings and techniques, the diagnostic options for ruling out infection have been limited to traditional methods such as plating bacteria and incubating, which is labor-intensive, lacks sensitivity and specificity and is unable to grow many of today's culprit pathogens.
- ✓ Many patients with chronic wounds are placed on antibiotic therapy, which may or may not be effective and contributing to the global epidemic of antibiotic resistance.
- ✓ We are convinced that better diagnostics are needed to identify the complex pathogens and the resistance genes they often carry.

Clinical Solution

- ✓ Lab Genomics offers the clinician access to the most advanced molecular methodology for pathogen detection, quantification, and resistance gene identification. Lab Genomics delivers rapid and precise results simultaneously by detecting microbial DNA with high sensitivity and specificity lowering medication costs, antibiotic spectrum of activity, and FDA guidance.
- ✓ The end product is a patient-centered, value-based care solution that enables providers to make informed treatment decisions that could avoid inappropriate therapy, excess costs, adverse drug events and progression of disease.

Who We Are About Us

Lab Genomics, LLC, was cultivated with the ideal in mind of providing state of the art molecular genetic testing with the end goal of the best quality of life possible for the patient. Our goal is to provide cutting edge diagnoses giving physicians and patients the best tools and education for health care decisions. Ultimately having physicians and patients proactive in maintaining one's health.



Questions?
Contact Us

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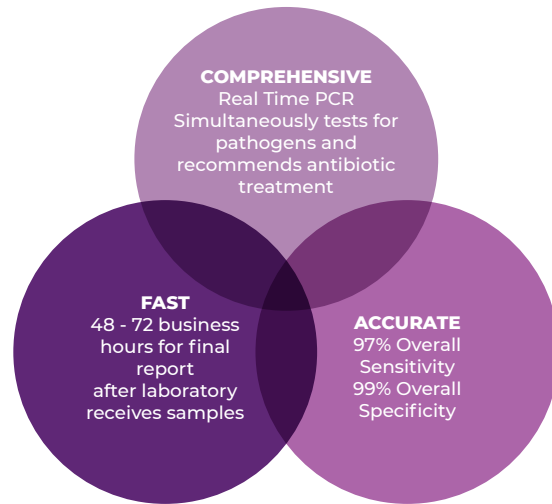
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Interpretation of the Wound panel report



Comprehensive, Accurate, and Fast Results



Lesion Pathogen with Wound Healing Guidance

Quick Facts

- ✓ Traditional culture based technology has limitations:
 - Subjectivity
 - Long time to report
 - High negative value
- ✓ Detects Polymicrobial Infections Simultaneously
- ✓ Reduces Unnecessary Drug Exposure and Adverse Effects
- ✓ Prevents Delays in Diagnosis & Treatment
- ✓ Lab Genomics tests a total of 27 pathogens and 21 antibiotic resistant genes to detect the presence of proteins that is resistant to an antibiotic.
- ✓ Our goal is providing physicians a guidance report to rule out antibiotics that are ineffective for treating patients with bacterial infections.

Test Accuracy and Precision

Specificity	99%
Sensitivity	97%

Lesion Pathogens

- ✓ Acinetobacter baumannii
- ✓ Anarococcus vaginalis
- ✓ Bacteroides fragilis
- ✓ Candida albicans
- ✓ Candida tropicalis
- ✓ Clostridium perfringens
- ✓ Clostridium Septicum
- ✓ Corynebacterium striatum
- ✓ Corynebacterium tuberculostearicum
- ✓ Enterobacter aerogenes
- ✓ Enterobacter cloacae
- ✓ Enterococcus faecium
- ✓ Escherichia coli
- ✓ Fusobacterium necrophorum
- ✓ Fusobacterium nucleatum
- ✓ Haemophilus ducreyi
- ✓ Klebsiella pneumoniae
- ✓ Peptoniphilus Hareii
- ✓ Peptoniphilus ivorii
- ✓ Peptostreptococcus anaerobius
- ✓ Peptostreptococcus asaccharilyticus
- ✓ Peptostreptococcus magnus
- ✓ Peptostreptococcus prevotii
- ✓ Proteus mirabilis
- ✓ Pseudomonas aeruginosa
- ✓ Salmonella enterica
- ✓ Staphylococcus aureus
- ✓ Staphylococcus enterotoxin A
- ✓ Staphylococcus enterotoxin B
- ✓ Staphylococcus haemolyticus
- ✓ Staphylococcus lugdunensis
- ✓ Staphylococcus saprophyticus
- ✓ Streptococcus agalactiae
- ✓ Streptococcus pyogenes
- ✓ Varicella-Zoster Virus