

## Advanced PCR-Based Infectious Disease Testing for CHRONIC & ACUTE WOUNDS

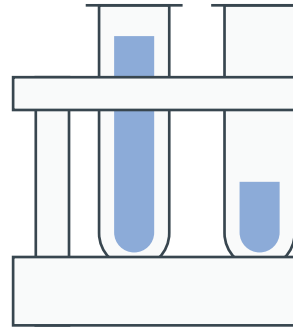


*Precision.  
Speed.  
Actionable Insights.*



### Why Wound PCR Testing?

- ✓ **Targeted Therapy**  
Identifies antibiotic resistance genes for precise treatment.
- ✓ **Beyond Traditional Cultures**  
PCR detects infections missed by standard cultures.
- ✓ **Improves Patient Outcomes**  
Faster diagnosis leads to quicker recovery and fewer complications.
- ✓ **Fast & Accurate**  
Identifies bacterial, fungal, and viral pathogens within 24-48 hours.
- ✓ **Specimen Type**  
Wound swab (skin or soft tissue) from the infected area.



### Did You Know?



Over 6.5 million patients in the U.S. suffer from chronic wounds annually.

**01**



Diabetes-related foot ulcers are a leading cause of non-traumatic lower limb amputations.

**03**

**02**

50% of chronic wounds contain antibiotic-resistant bacteria, making treatment difficult.



**04**

Up to 90% of wound infections are polymicrobial, requiring targeted therapy for effective treatment.



# Comprehensive Pathogen Detection

PCR testing accurately detects bacterial, fungal, and viral infections while identifying antibiotic resistance markers to guide treatment decisions.

Bacteria	Fungi
Acinetobacter baumannii	Candida albicans
Citrobacter freundii complex	Candida auris
Enterococcus faecalis	
Escherichia coli	Viruses
Klebsiella pneumoniae	Herpes Simplex Virus 1
Pseudomonas aeruginosa	Herpes Simplex Virus 2
Staphylococcus aureus	

Antibiotic Resistance Markers
Methicillin (mecA)
Vancomycin
Fluoroquinolone (QnrA1&2, QnrB, QnrS)
Sulfonamides (Sul1, Sul2, Sul3)
Beta-lactamase genes (CTX-M-Grp1, blaKPC, blaNDM)
Trimethoprim (dfrA1, dfrA5, dfrA12, dfrA7, dfrA17)

## Who Benefits from This Test?

- **Physicians and Wound Care Specialists** – Personalized treatment plans with molecular diagnostics.
- **Patients with Chronic Wounds** – Faster healing for diabetic ulcers, pressure sores, and surgical wounds.
- **Long-Term Care Facilities** – Quick detection of multi-drug-resistant infections in high-risk patients.
- **Hospitals and Clinics** – Enhanced infection control and improved antibiotic stewardship.

## Elite Clinical Laboratory – Advancing Wound Diagnostics

At Elite Clinical Laboratory, we specialize in cutting-edge PCR-based infectious disease testing to improve wound care outcomes. Our advanced diagnostics provide fast, accurate, and actionable insights, ensuring better treatment for chronic and acute wounds.