

# Wound & Nail Lab Testing

**Wound, nail and skin infections are the result of the growth and spread of microbes such as bacteria within a wound or break in the skin. Infections trigger the body's immune system and cause inflammation and tissue damage and slows the healing process. A swab of the wound or nail sample is sent into our lab for an accurate analysis and timely reporting of results.**



## A More Accurate Diagnosis Leads to a More Effective Treatment

Our Wound and Nail Pathogen Panel uses Quantitative Polymerase Chain Reaction Testing to Identify and Provide:

- ✓ Bacterial and Fungal as well as Polymicrobial Pathogens.
- ✓ Quantitative values of each specific bacterial pathogen.
- ✓ Bacterial resistance pathways and antibiotic classes.
- ✓ Less than 48-hour turnaround.
- ✓ Therapeutic options based on effective medications for positively identified pathogens cross-referenced with the antibiotic resistant markers.
- ✓ Low, medium and high pathogen classification.
- ✓ Detection of polymicrobial infections.
- ✓ Qualitative and quantitative bacterial load and analyses unaffected by concurrent antibiotic use.
- ✓ Reduction of unnecessary drug exposure and adverse events.



# Nail Fungal Infections



Nail fungal infections are common conditions, especially in the aging population. However, bacterial infections and skin disorders can mimic the fungal presentation and may lead clinicians to choose ineffective treatment regimens.

The diagnosis of nail infections can take up to 3–4 weeks with conventional techniques and the treatment protocols are complicated, costly, and carry risks.

The utilization of advanced molecular PCR technology has proven to be more sensitive and specific than culture results and can help clinicians rapidly identify the causative agent(s) before developing a treatment plan.

## Wound Infections

General signs and symptoms of a wound infection include:

- Redness or discoloration
- Swelling
- Warmth
- Pain, tenderness
- Scaling, itching
- Pustules, pus drainage

## Quick Turnaround

No more waiting...

Get results in  
**24 Hours!**

Our mission is to deliver meaningful personalized medicine results to patients and healthcare professionals through the latest and most advanced methodology and instrumentation.