Health TRACKRx™

Rapid Detection of

NAIL & PARONYCHIA PATHOGENS

HealthTrackRx (HTRx) is the nation's premier infectious disease laboratory with one mission: delivering fast, accurate and actionable results.

ELIMINATE THE GUESSWORK IN DIAGNOSING AND TREATING NAIL & PARONYCHIA PATHOGENS.

- Our nail & paronychia pathogen assay utilizes the latest in quantitative RT-PCR (real-time reverse transcription polymerase chain reaction) technology to rapidly and reliably analyze your patient's sample.
- We rapidly detect and differentiate 98-99% of the most relevant aerobic, anaerobic, as well as polymicrobial infections, including fungi and more than 25 of the most common dermatophytes, saprophytes, and yeast.
- Our molecular technique provides a more definitive diagnosis than POC antigen assays.[1]
- Our universal medium eliminates the need for specialized live sample handling or storage.
  - Safely inactivates and stabilizes sample in transport for subsequent analysis
  - Reduces the impact of transport time and cost
- Our nail & paronychia diagnostics:
  - Reduce false negatives
  - Detect polymicrobial infections
  - Include one of the most extensive antibiotic resistance gene panels
  - Are unaffected by concurrent antibiotic use
  - Reports consistently delivered within 24-36 hours

1. Rhoads, D., Wolcott, R., Sun, Y., Dowd, S. (23 February 2012). Comparison of culture and molecular identification of bacteria in chronic wounds. Int. J. Mol. Sci., 13, 2535-2550. Retrieved from www.mdpi.com/journal/ijms

RAPID DETECTION OF NAIL AND PARONYCHIA PATHOGENS

PRESCRIBE WITH CONFIDENCE

As the leader in testing sensitivity and specificity, our reports include a custom-designed accurate and patient-specific detailed antibiogram.

- Support antibiotic stewardship by reducing over-utilization of broad-spectrum anti-infectives
- Decrease the need for empiric therapy
- Guidance helps reduce unnecessary drug exposure, adverse events, cost of repeat testing, and multiple treatment attempts

REAL-TIME PCR MADE EASY

- We detect and differentiate 98-99% of the most common viral, bacterial, and fungal pathogens in addition to polymicrobial infections
- We offer the latest PCR technology available. Our industry-leading sensitivity and specificity reduce both false negatives and false positives
- Our technology is advanced, safe, and easy to deploy.
  - SimpliSwab – One swab to test it all. Just one vial and one swab, regardless of the pathogen target.
  - Shipping and handling made easy with our proprietary molecular transport medium. No refrigeration necessary.
  - We deliver clinically actionable data in clear, easy-to-read reports.

THE NEW 99%

- **Over 99% of results are reported within 24-36 hours of sample receipt**
- **Over 99% sensitivity to reduce false positives**
- **Over 99% specificity to reduce false positives**
- **Over 99% of the most common pathogens detected**
- **100% trackable samples and results**

HAIR, NAIL, AND PARONYCHIA PATHOGEN TESTING PROFILE

BACTERIAL

- Bacteroides fragilis, vulgatus
- Enterobacter aerogenes, cloacae
- Enterococcus faecalis, faecium
- Escherichia coli
- Enterococcus nucleatum, necrophorum
- Klebsiella pneumoniae, oxytoca
- Proteua mirabilis, vulgaris
- Peptostreptococcus anaerobius, asaccharolyticus, magnus, prevotii
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus spp
- Streptococcus agalactiae Group B strep (GBS)
- Streptococcus pyogenes (Group A strep)

FUNGAL

- Aspergillus flavus, fumigatus, niger, terreus
- Blastomyces dermatitidis
- Candida albicans glabrata, parapsilosis, tropicalis
- Candida auris
- Epidermophyton floccosum
- Fusarium oxysporum, solani
- Malassezia furfur, restricta, sympodialis, globosa
- Microsporum audouinii, canis, gypseum
- Trichophyton mentagraphophytes/ interdigitale, rubrum, soudanense, terrestre, tonsurans, verrucosum, violaceum
- Trichosporon mucoides, asahii

ANTIBIOTIC RESISTANCE

- VanA, VanB (Vancomycin resistance)
- ermB, C; mefA (Macrolide Lincosamide Streptogramin)
- SHV, KPC Groups (Class A beta lactamase)
- dfr (A1, A5), sul (1, 2) probes (Trimethoprim/ Sulfamethoxazole resistance)
- mecA (Methicillin gene)
- qnrA1, qnrA2, qnrB2 (Fluoroquinolone genes)
- tet B, tet M (Tetracycline genes)
- IMP, NDM, VIM Groups (Class B metallo beta lactamase)
- ACT, MIR, FOX, ACC Groups (AmpC beta lactamase)
- OXA-48,-51 (Class D oxacillinase)
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups (Class A beta lactamase)

EFFECTIVE STARTING 6/29/2020

LEARN MORE (940) 383-2223 info@healthtrackrx.com www.healthtrackrx.com