



## Rapid Detection of **OPHTHAMALOGIC PATHOGENS**

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

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### **ELIMINATE THE GUESSWORK IN DIAGNOSING AND TREATING OPHTHALMOLOGIC PATHOGENS.**

- Our ophthalmology 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 viral, bacterial, and fungal pathogens, including Adenovirus, Haemophilus influenzae, Streptococcus pneumoniae, and Aspergillus.
- Our molecular technique provides a more definitive diagnosis than POC antigen assays.<sup>1</sup>
- 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 ophthalmologic 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

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1. Torres, A, Lee, N., Cilloniz, C et al. (2016 Nov 3). Laboratory diagnosis of pneumonia in the molecular age. European Respiratory Journal 48: 1764-1778. <http://ow.ly/2ajh304NuCn>

# RAPID DETECTION OF OPHTHALMALOGIC 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

## OPHTHALMALOGIC INFECTIONS PROFILE

- Acinetobacter baumannii
- Adenovirus HAdV-B
- Aspergillus flavus, fumigatus, niger, terreus
- Candida albicans, glabrata, parapsilosis, tropicalis
- Candida auris
- Chlamydia trachomatis
- Chlamydomydia pneumoniae
- Coronavirus (229E, NL63, OC43, and HKU1)
- Cytomegalovirus (CMV, Human Herpesvirus-5)
- Enterovirus A, B, C
- Escherichia coli
- Enterobacter aerogenes, cloacae
- Enterovirus A +B + C
- Haemophilus influenzae
- Herpes simplex virus 1 & 2 (HSV-1, HSV-2)
- Human metapneumovirus
- Influenza A, B
- Klebsiella pneumoniae, oxytoca
- Moraxella catarrhalis
- Mycoplasma genitalium, hominis
- Mycoplasma pneumoniae
- Neisseria gonorrhoeae
- Parainfluenza virus (types 1, 2, 3, 4)
- Proteus mirabilis, vulgaris
- Pseudomonas aeruginosa
- Respiratory syncytial virus
- Rhinovirus A, B, C
- Rhizopus spp., Mucor spp.
- Serratia marcescens
- Staphylococcus (coagulase negative: epidermidis, haemolyticus, lugdunensis, saprophyticus)
- Staphylococcus aureus
- Streptococcus agalactiae (Group B Strep. (GBS))
- Streptococcus pneumoniae
- Streptococcus pyogenes (Group A Strep. (GAS))
- Ureaplasma urealyticum, parvum
- Varicella zoster virus

## ANTIBIOTIC RESISTANCE

- VanA, VanB (Vancomycin resistance genes)
- mecA (Methicillin resistance genes)
- ermB, C; mefA (Macrolide Lincosamide Streptogramin resistance)
- qnrA1, anrA2, anrB2 (Fluoroquinolone resistance genes)
- tet B, tet M (Tetracycline resistance genes)
- SHV, KPC Groups (Class A beta lactamase)
- CTX-M1 (15), M2 (2), M9 (9), M8/25 Groups (Class A beta lactamase)
- IMP, NDM, VIM Groups (Class A beta lactamase)
- ACT, MIR, FOX, ACC Groups (AmpC beta lactamase)
- OXA-48, -51 (Class D oxacillinase)
- dft (A1, A5), sul (1, 2) probes (Trimethoprim/Sulfamethoxazole resistance)

EFFECTIVE STARTING 7/15/2020

LEARN MORE



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