

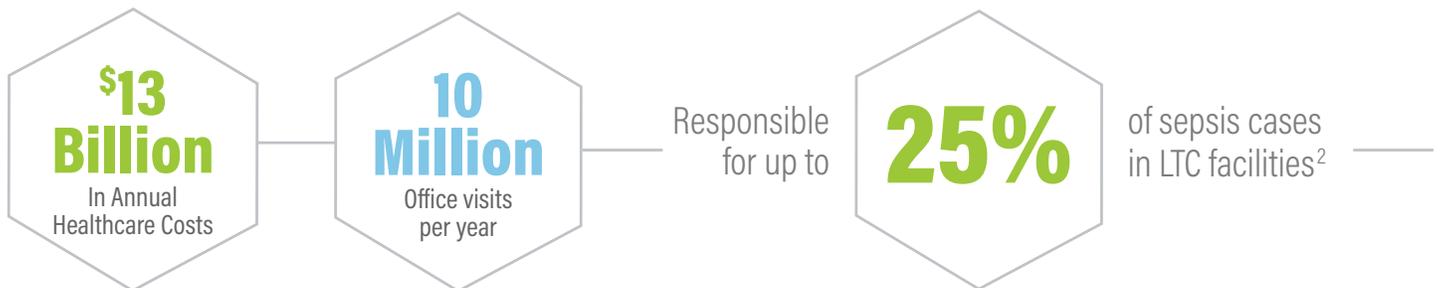


URINARY TRACT INFECTIONS

Detected with **SPEED** and **ACCURACY**

Do your Patients Struggle with Chronic UTI's?

The number of urinary tract infections (UTI's) are on the rise because of the prevalence and growing number of drug-resistant strains of the infection.¹ As a country, we are prescribing broad-spectrum antibiotics, instead of treating individuals with targeted therapies.



GeneQ has the Solution

Compared to culture-based testing, our DNA technique identifies several pathogens with molecular accuracy, and saves time and money. Additionally, Antibiotic Resistance biomarkers allow for precision treatment, leading to improved outcomes.

Our UTI Pathogen Testing Solution uses the latest in RT-PCR technology to analyze your sample with speed and reliability. We rapidly detect and differentiate the most relevant bacterial and fungal antigens. Our molecular technique provides a more definitive diagnosis than standard culture methods.

SOURCES:

1 "The growing problem of drug-resistant UTI's" — Harvard Health Publishing, February 2020.

2 "Urinary Tract infections in older adults living in long-term facilities" - PMC, February 2013.

Molecular Precision Testing

- Detects co-infections simultaneously
- Identifies antibiotic-resistant genes
- Limits progression and spread of infection
- Reduces excessive use of broad-spectrum agents
- Improves treatment selection

VS

Culture Based Testing

- Failed Treatment attempts
- Unnecessary drug exposure
- Potential adverse events
- Delayed cure
- Excessive costs

Pathogen List

- Acinetobacter baumannii
- Citrobacter freundii
- Enterobacter aerogenes
- Enterobacter cloacae
- Enterococcus faecalis
- Escherichia coli
- Klebsiella oxytoca
- Klebsiella pneumoniae
- Morganella morganii
- Proteus mirabilis
- Proteus vulgaris
- Providencia stuartii
- Pseudomonas aeruginosa
- Staphylococcus saprophyticus
- Streptococcus agalactiae
- Candida albicans (fungal)

Resistance Markers

- OXA-1 (β -lactamase/Class B)
- FOX (AmpC β -lactamase/Class C)
- GES (Carbapenemase/Class A)
- KPC (Carbapenemase/Class A)
- IMP-1 (Carbapenemase/Class B)
- NDM-1(C) (Carbapenemase/Class B)
- blaOXA-48 (Carbapenemase/Class D)
- PER-1 (Extended-Spectrum β -lactamase/Class A)
- VEB (Extended-Spectrum β -lactamase/Class A)
- CTX-M Group 1 (Extended-Spectrum β -lactamase)
- CTX-M Group 2 (Extended-Spectrum β -lactamase)
- CTX-M Group 8/25 (Extended-Spectrum β -lactamase)
- CTX-M Group 9 (Extended-Spectrum β -lactamase)
- ermB (Macrolide Resistance)
- qnrA (Quinolone Resistance)
- qnrS (Quinolone Resistance)
- VIM (Verona integron-encoded metallo- β -lactamase)

GeneIQ is a leading molecular diagnostics laboratory for the fastest, most accurate, real-time reverse transcription polymerase chain reaction (RT-PCR) testing. Our state-of-the-art laboratory is based in the Dallas metroplex. We have created a highly efficient, automated lab process with a paperless, web-based system that provides 24-to 36-hour turnaround time of results after receipt of the specimen.

Put us to the test

CALL US TODAY

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