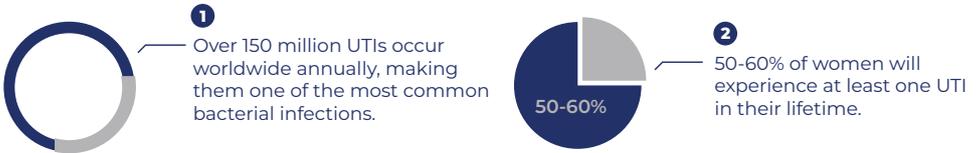


# Advanced PCR-Based URINARY TRACT INFECTION (UTI) Testing

*Fast. Accurate. Comprehensive.*



## Why Early and Accurate UTI Detection Matters?



**3** Antibiotic resistance is a growing crisis, improper treatment can lead to:

Recurrent UTIs

Kidney infections

Severe complications

## PCR-Based UTI Testing – The Gold Standard in Detection



### Comprehensive Coverage

Detects bacteria, fungi, viruses, and antibiotic resistance markers.

### Unmatched Sensitivity & Specificity

Identifies even low-burden infections.



### Rapid Results

24-48 hours from specimen arrival.

### Reduces Unnecessary Antibiotic Use

Helps in targeted therapy.



### Specimen Type

Clean catch urine specimen.

# Why Does This Matters?

- Antibiotic-resistant UTIs have increased by 30% in the past decade.
- Standard cultures miss up to 40% of resistant strains, leading to ineffective treatment.
- PCR UTI testing ensures:
  - Precise diagnosis
  - Targeted therapy
  - Prevention of treatment failures

# What We Detect

Fungi (Candida spp.)	Antibiotic Resistance Markers (ABR)
Candida albicans	Beta-lactamases: CTX-M-Grp1, blaKPC, BlaNDM
Candida tropicalis	Methicillin Resistance: mecA
Candida parapsilosis	Fluoroquinolone Resistance: QnrA1&2, QnrB, QnrS
Candida krusei	Sulfonamides Resistance: Sul1, Sul2, Sul3
Candida glabrata	Trimethoprim Resistance: dfrA1, dfrA5, dfrA12, dfrA7, dfrA17
Candida dubliniensis	Vancomycin Resistance

Bacteria	
Proteus mirabilis	Enterobacter cloacae
Escherichia coli	Enterococcus faecium
Prevotella bivia	Enterococcus faecalis
Serratia marcescens	Klebsiella oxytoca complex
Acinetobacter baumannii	Klebsiella pneumoniae
Klebsiella aerogenes	Citrobacter koseri
Pseudomonas aeruginosa	Morganella morganii
Staphylococcus epidermidis	Citrobacter freundii complex
Staphylococcus aureus	Streptococcus pyogenes (Grp A)
Staphylococcus saprophyticus	Streptococcus agalactiae (Grp B)

# Who Benefits from This Test?

- ⊙ **Patients with Recurrent UTIs** – Get precise diagnosis and UTI pain relief.
- ⊙ **Women’s Health Patients** – Reduce UTI recurrence with fast, accurate pathogen detection.
- ⊙ **Men with Persistent Urinary Symptoms** – Identify hidden infections early and avoid complications.
- ⊙ **Elderly Patients & Nursing Home Residents** – Prevent severe UTI symptoms with early, reliable detection.
- ⊙ **Pregnant Women** – UTI during pregnancy can lead to preterm labor, low birth weight, and kidney infections.

# Elite Clinical Laboratory – Precision Diagnostics for Better Health

Elite Clinical Laboratory is committed to advancing healthcare through state-of-the-art molecular diagnostics. Our PCR-based UTI testing delivers fast, accurate, and comprehensive results, empowering healthcare providers to make informed treatment decisions.