



PRIME PATH LAB

URINARY TRACT INFECTION (UTI) TESTING

Comprehensive Pathogen & Resistance Detection from a Single Urine Specimen



Precise. Polymicrobial. Physician-Ready.

Urinary tract infections drive more than 10 million U.S. clinic visits each year, and 53% of women experience at least one UTI in their lifetime. Standard urine culture identifies a single dominant organism and misses up to 23% of polymicrobial or fastidious infections—particularly in elderly, catheterized, and recurrent—UTI patients. **Prime Path Lab** offers a multiplex PCR UTI panel that detects bacterial, fungal, and antimicrobial-resistance targets directly from a clean-catch urine sample, supporting targeted antibiotic selection.

Why Choose Prime Path Lab for Urinary Tract Infection (UTI) Testing?



Detects Polymicrobial Infection

Identifies multiple organisms in one urine sample, including fastidious and low-burden pathogens.



Resistance Markers Reported

Beta-lactamase, Vancomycin, Methicillin, and other genes flagged alongside organism identity.



24–48 Hour Turnaround

Targeted therapy started days earlier than culture-based workflows allow.



Physician-Centric Service

Pre-paid courier, kit replenishment, EMR-aligned reporting, and dedicated support.



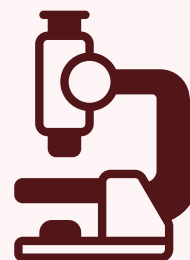
Did You Know?

- Up to 30% of recurrent UTIs are polymicrobial, a pattern routinely missed by standard culture.
- Antibiotic resistance among uropathogenic E. coli has risen more than 30% in the past decade.(e.g., ciprofloxacin resistance in UPEC from NHANES)
- Pregnant patients with untreated UTIs have a 2–3× higher risk of preterm labor and low birth weight.



Clinical Insight

No growth at 48 hours on a patient with frank dysuria isn't a clean bill—it's a culture limitation. PCR detects fastidious organisms, polymicrobial infection, and resistance genes in one specimen, so patients stop cycling through empiric courses that quietly fail.



**Molecular detection does not distinguish active infection from asymptomatic colonization. Results should be interpreted in the context of clinical symptoms and patient history.*

What Our UTI Panel Detects

A single PCR assay covers Gram-positive and Gram-negative uropathogens, Candida species, and clinically actionable resistance markers.

PATHOGENS & MARKERS DETECTED

Bacterial Pathogens	Fungal Pathogens	Antimicrobial Resistance Markers
<ul style="list-style-type: none">Escherichia coliProteus mirabilisEnterococcus faecalisEnterococcus faeciumPseudomonas aeruginosaStaphylococcus aureusStreptococcus agalactiae (GBS)MRSAMorganella morganiiAerococcus urinaeKlebsiella pneumoniae	<ul style="list-style-type: none">Candida species	<ul style="list-style-type: none">blaCTX-M; blaKPCblaNDM, blaOXA-48vanA / vanB, mecAblaVIM, AmpC

Specimen & Ordering



SPECIMEN REQUIREMENTS

Clean-catch midstream urine, 10–20 mL minimum, in a **Prime Path Lab** PCR-compatible transport tube.



HOW TO ORDER

Turnaround : 24–48 hours from specimen receipt. Order **Prime Path Lab** UTI collection kits through your account representative. Submit the completed requisition with the labeled specimen via prepaid courier; secure electronic results follow in 24–48 hours.

Who Benefits from This Test



Patients with Recurrent UTI

Resolve infections that culture has repeatedly called negative.



Elderly & Long-Term Care

Resolve recurrent or polymicrobial infections in symptomatic patients.



Women's Health Practices

Reduce empiric prescribing and shorten symptom duration.



Pre-Procedure & Pregnancy Screening

Confirm pathogen and susceptibility before urologic surgery or to protect the obstetric course.

Who Should Get Tested

Persistent Dysuria, Urgency, or Hematuria

Symptomatic patients despite negative or low-colony-count standard culture.

Immunocompromised Patients

Diabetic, transplant, malignancy, or HIV patients with urinary symptoms.

Catheterized or Post-Instrumentation Patients

Suspected CAUTI or infection after urologic procedures.

Pregnant Patients

Symptomatic UTI with negative or inconclusive standard culture, or confirmed bacteriuria.

Partner with Prime Path Lab

Bring precision to UTI care with **Prime Path Lab**. Contact our team to activate your account and start ordering kits this week

CONTACT & ORDERING INFORMATION

Prime Path Lab



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