

## Urinary Tract Infection Panel

Retrogen is a CLIA & CAP certified laboratory with over 20-years experience with molecular testing. Experienced and helpful laboratory staff are responsible for handling your clinical samples and are available to answer questions regarding your test status. Our Urinary Tract Infection (UTI) Panel provides the healthcare professional with fast and accurate results that assist in guiding appropriate treatment, all with one simple sample, easy to use collection process and shipping procedure. Our team of experienced scientist provides over 20+ years of laboratory & clinical experience and expertise to provide you with reliable and accurate results within 48 hours.



A urinary tract infection (UTI) is an infection in any part of the urinary system- kidneys, ureters, bladder and urethra. Most infections involve the lower urinary tract – the bladder and the urethra. Women are at greater risk than are men. Infection limited to the bladder can be painful and annoying; however, serious consequences can occur if a UTI spreads to the kidneys.

### Symptoms

- A strong, persistent urge to urinate
- A burning sensation when urinating
- Passing frequent, small amounts of urine
- Urine that appears cloudy
- Urine that appears red, bright pink or cola-colored — a sign of blood in the urine
- Strong-smelling urine
- Pelvic pain, in women — especially in the center of the pelvis and around the area of the pubic bone

### Diagnosis

Our molecular testing methods offer a better and advanced approach than classical smear, stain, PH, culture or “Whiff” test. Using PCR DNA technology offers:

- Higher Sensitivity & Specificity
- Small amount of input DNA required
- All assays are pre-designed and validated
- Survey of multiple pathogens from one single swab
- Reproducible and empirical data
- Easy workflow with rapid, accurate throughput
- Rapid Turn Around Time with results within 48-hours

**Treatment**

Antibiotics are the first line treatment for urinary tract infections. Specific drugs depend on health condition and the type of bacteria found in your urine.

*Simple infection*

Drugs commonly recommended for simple UTIs include:

- Trimethoprim/sulfamethoxazole (Bactrim, Septra, others)
- Fosfomycin (Monurol)
- Nitrofurantoin (Macrochantin, Macrobid)
- Cephalexin (Keflex)
- Ceftriaxone

Often, symptoms clear up within a few days of treatment. But you may need to continue antibiotics for a week or more.

**17 Pathogens Tested**

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