

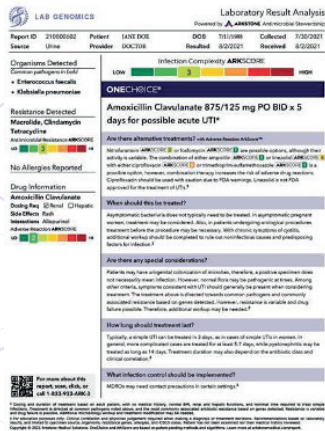
# Urinary Pathogen Test (UPX)

## Rapid Molecular Diagnostic Test

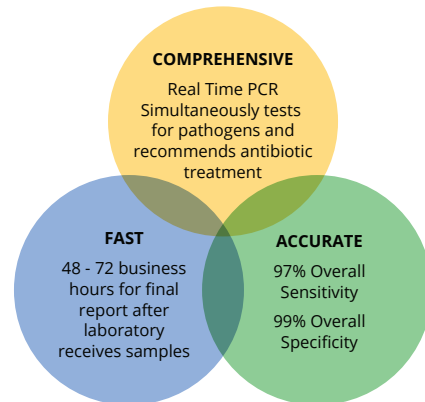


This assay detects presence of microbial DNA from pathogens that can cause UTI  
Provides antibiotic treatment recommendations  
Covered by Medicare and most insurances

### Interpretation of the Urinary Pathogen UPX report



### Comprehensive, Accurate, and Fast Results



## Urinary Pathogen Test with Antibiotic Resistance (UPX)

### Quick Facts

- In United States alone annually, UTI infection results in more than 10 million visits to ambulatory care physicians.
- UTI also accounts for substantial number of antibiotic prescriptions.

Traditional culture based technology has limitations:

- Subjectivity
- Long time to report
- High negative value

Benefits of PCR technology offers:

- Reduce time to results
- Accuracy
- Precise
- This further facilitates actionable results with a list of antibiotics to resolve the infection, regardless of number of etiologic agents

### Overlapping Signs and Symptoms

- Experiencing recurrent UTI
- Intestinal cystitis
- Pyelonephritis
- Men with UTI
- Men with Prostate Infection
- Pregnant Women
- 55 or older
- Past urinary culture results were contaminated
- On chronic pain care regimens
- Immunosuppressed
- Diabetic

# Urinary Pathogens

- Acinetobacter baumannii
- Actinotignum Schaalii
- Aerococcus sanguinicola
- Aerococcus Urinae
- Alloscardovia omnicolens
- Candida albicans
- Candida glabrata
- Candida parapsilosis
- Chlamydia trachomatis
- Citrobacter freundii
- Citrobacter koseri
- Corynebacterium riegellii
- Enterobacter aerogenes
- Enterococcus faecalis
- Escherichia coli
- Gardnerella vaginalis
- Haemophilus ducreyi
- Klebsiella pneumoniae
- Morganella morganii
- Mycobacterium tuberculosis
- Mycoplasma genitalium
- Mycoplasma hominis
- Neisseria gonorrhoeae
- Oligella Urethralis
- Proteus mirabilis
- Providencia stuartii
- Pseudomonas aeruginosa
- Serratia marcescens
- Staphylococcus aureus
- Staphylococcus lugdunensis
- Streptococcus agalactiae
- Treponema pallidum
- Trichomatis vaginalis
- Ureaplasma urealyticum

## Antibiotic Stewardship

- Each year in the US, 2 million people acquire serious bacterial infections that are resistant to one or more prescribed antibiotics, and at least 3,000 people die as a direct result of these antibiotic-resistant infections.
- An estimated 55% of antibiotic prescriptions for infections are unnecessary.
- The misuse of antibiotics costs the US healthcare system over \$20 billion each year.

## Implications of Antibiotic Resistance

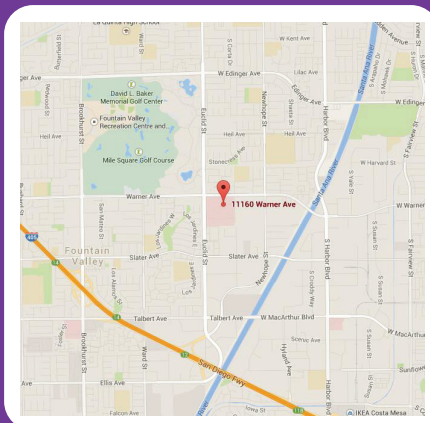
- Increases mortality and morbidity from untreatable diseases.
- Increases risk of global spread of pathogens.
- Results in longer, more frequent hospital stays.
- Limits drug options at a time when pharmaceutical companies are developing fewer new antimicrobials.
- Increases cost of research for new drugs.

## Who We Are

### About Us

Lab Genomics, LLC, was cultivated with the ideal in mind of providing state of the art molecular genetic testing with the end goal of the best quality of life possible for the patient.

Our goal is to provide cutting edge diagnoses giving physicians and patients the best tools and education for health care decisions. Ultimately having physicians and patients proactive in maintaining one's health.



### Questions? Contact Us

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