

UTI MOLECULAR TEST PANEL & ANTIBIOTIC RESISTANCE GENE TESTING

Genesys' UTI test genotypes infections to detect antibiotic resistance and accurately treat UTIs.

Bacterial Pathogens Detected

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

36 Resistance Genes Tested

Ampicillin Resistance
Carbapenem Resistance
Extended Spectrum Beta-lactamase
Fosfomycin Resistance
Macrolide Resistance
Quinolone & Fluoroquinolone Resistance
Sulfonamide Resistance
Tetracycline Resistance
Trimethoprim Resistance
Vancomycin Resistance

Fungus Detected

Candida albicans

RELIABLE



COMPREHENSIVE



FAST

The Genesys Diagnostics UTI panel simultaneously detects and identifies 17 pathogens and 36 antibiotic resistance genes from a single specimen collection and yields 99% analytical specificity and sensitivity.

INDICATION FOR MOLECULAR UTI PANEL

- Recurring UTIs
- Interstitial Cystitis
- Pyelonephritis
- Immunocompromised Patients
- Over 50 years of age
- Chronic Pain Patients
- Pregnancy



ADVANTAGES OF THE GENESYS UTI TEST

Comprehensive: Tests for 17 different pathogens and 36 antibiotic resistance genes in a single panel

- Capable of detecting and identifying multiple pathogens in a sample
- Identifies bacteria regardless of recent antibiotic use
- Identifies difficult-to-culture pathogens

Reliable: This assay exhibits excellent clinical sensitivity and specificity and high reproducibility

Fast: 24-72 hour turn-around-time is fast enough to impact patient treatment decisions

Rule out other causes: Reduce testing

Antibiotic Stewardship: Reduce the rise of antibiotic resistance

Improved Diagnosis: 99% to 100% sensitivity and specificity in pathogen detection and antibiotic resistance testing


Improve health outcomes and reduce cost: Standard urine culture miss up to 1/3 of all positive patients. UTIs are among the most common bacterial infections and are responsible for a \$3.5 billion economic burden in the U.S. annually; with 7 million visits to outpatient clinics, 1 million visits to emergency departments, and 100,000 hospitalizations each year.


	GENESYS REAL TIME PCR	TRADITIONAL URINE CULTURE
SENSITIVITY	99-100%	70%
# OF PATHOGENS	Subtyping 17 Pathogens	5-6 Pathogens
ANTIBIOTIC RESISTANCE TESTING	36 Antibiotic Resistance Genes	Not Tested
TURN-AROUND-TIME	24-72 Hours	2-3 Days

ABOUT US

Genesys Diagnostics provides a range of clinical diagnostic services to physicians, hospitals, and laboratories across the country.

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