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URINARY TRACTINFECTION MOLECULAR TEST PANEL

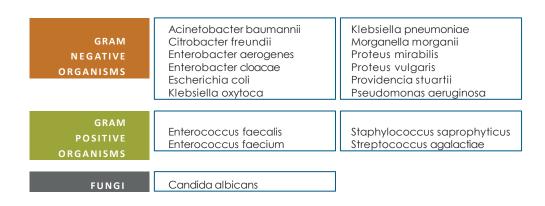
Real-Time Polymerase Chain Reaction

87 Berdan Avenue, Suite4 Wayne, NJ 07470 PHONE: 973- 832-7902 FAX: 973-832-7980

URINARY TRACT INFECTION MOLECULAR TEST PANEL by Real-Time Polymerase Chain Reaction

Molecular UTI Panel by NOVALAB offers an extremely fast turnaround time and far more sensitive identification of bacterial species than all other testing methods, which allows for diagnoses and treatment that are narrowly matched to appropriate antibiotic choices.

The NOVALAB Urinary Tract Infection Molecular Test Panel simultaneously identifies, from a single specimen, 17 pathogens (gram positive, gram negative and fungi) that are most commonly associated with UTIs.



Next day turnaround and accurate detection of urinary tract pathogens provides the clinician with the critical information for more focused therapy and improved outcomes.

Based upon published recommendations, use of the appropriate narrow spectrum antibiotic in treating UTIs reduces the incidence of treatment failure. Rapid diagnostic molecular methods can allow for earlier intervention and optimized therapy when appropriate.

The UTI pathogen panel offers the advantage of identifying the cause of UTI within hours and is more sensitive than traditional microbiology methods. The panel helps to reduce the turnaround time for identification of slow growing and fastidious UTI pathogens. The molecular based semi quantitative UTI pathogen panel is a good alternative to traditional microbiology methods for sensitive and specific detection of uropathogens

PANEL DETAILS

METHODOLOGY

Real-Time Polymerase Chain Reaction

(PCR)

SPECIMEN REQUIREMENTS

Clean catch urine specimen

MINIMUM VOLUME

1.0 ml

TEMPERATURE

Refrigerated 7 days

STABILITY

Room temperature 24 hours

TURNAROUND TIME

1-2 business day

NOTES:

*Proper sample collection is critically important for test accuracy.

**The patient should not have urinated for at least an hour before the urine specimen is collected.

***Send urine in a sterile container to NOVALAB Reference Medical lab.

CLINICAL BENEFITS

- **■** Fast turnaround time
- Identifies bacteria regardless of recent antibiotic use
- Identifies dificult to culture pathogens
- Ofers simplicity and convenience of single specimen collection
- Yields > 95% analytical sensitivity and specificity
- Identifies of 17 pathogens from a single specimen

INDICATIONS FOR MOLECULARUTI PANEL

- Recurring UTIs
- Interstitial cystitis
- Over 50 years of age
- Pyelonephritis
- Chronic pain care patients
- Pregnancy
- Immunocompromised patients

SAMPLE REPORT



87 Berdan Avenue, Suite 4 Wayne, NJ 07470 (973) 832 - 7902 info@novalabcorp.com

Acct# 00000000000

Phys: John Doe, MD

Patient: Jane Doe DOB:

02/15/1980

Phone:

(000) 000-0000

ID:

000000000000

Age: 40

Sex: M Page: 1

Fasting: \mathbf{N}

Coll. Date: 12/10/2020 Recv. Date: 12/10/2020 First reported on: 12/10/2020 Print Date: 12/11/2020 Recv. Time: 07:30PM Print Time: 12:25PM Coll. Time: 01:30PM Final report date: 12/11/2020

Test Name	Normal	Out of Range	Normal Range	Units
Report Status: FINAL				
URINARY TRACT INFECTION URINARY TRACT INFECTION	N PANEL, PCR			
Acinetobacter baumannii	NOT DETECTED		NOT DETECTED	
Citrobacter freundii	NOT DETECTED		NOT DETECTED	
Enterobacter aerogenes	NOT DETECTED		NOT DETECTED	
Enterobacter cloacae	NOT DETECTED		NOT DETECTED	
Enterococcus faecalis	NOT DETECTED		NOT DETECTED	
Enterococcus faecium	NOT DETECTED		NOT DETECTED	
Escherichia coli		DETECTED	NOT DETECTED	
Klebsiella oxytoca	NOT DETECTED		NOT DETECTED	
Klebsiella pneumoniae	NOT DETECTED		NOT DETECTED	
Morganella morganii	NOT DETECTED		NOT DETECTED	
Proteus mirabilis	NOT DETECTED		NOT DETECTED	
Proteus vulgaris	NOT DETECTED		NOT DETECTED	
Providencia stuartii	NOT DETECTED		NOT DETECTED	
Pseudomonas aeruginosa	NOT DETECTED		NOT DETECTED	
Staphylococ.saprophyticus	NOT DETECTED		NOT DETECTED	
Streptococcus agalactiae	NOT DETECTED		NOT DETECTED	
Candida albicans	NOT DETECTED		NOT DETECTED	

	END	OF	REPORT	
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Laboratory Director: