NOVALAB | Reference Medical Lab

www.novalabcorp.com

URINARY TRACT INFECTION
MOLECULAR TEST PANEL

Real-Time Polymerase Chain Reaction

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

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

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 MOLECULAR UTI PANEL

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

SAMPLE REPORT

NOVALAB | Reference Medical Lab

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

Acct# **000000000000**	Patient:	**Jane Doe**	
	DOB:	**02/15/1980**	Age: **40**
Phys: **John Doe, MD**	Phone:	**(000) 000-0000**	Sex: **M**
	ID:	**000000000000**	Page: 1
	Fasting:	**N**	

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

Test Name	Normal	Out of Range	Normal Range	Units
Report Status: FINAL				
URINARY TRACT INFECTION PANEL, PCR				
URINARY TRACT INFECTION				
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 ----------

Laboratory Director: