


Currently, 22% of urinary tract infections are undetected with traditional culture-based testing

Molecular testing is the new gold standard providers can use to precisely diagnose and treat urinary tract infections.

As compared to the standard urine culture, our molecular testing - Acutis Reveal™ UTI - is more accurate and has a shorter turnaround time. An accurate diagnosis is key to accurate medication prescribing. **Molecular UTI testing is the future of UTI testing.**

- Patient-driven care with Acutis Reveal™ UTI

	Acutis Reveal™ UTI	Urine culture	
 Sensitivity*	96-100%	50-95%	+
Specificity*	100%	85-99%	
Detection turnaround time**	Within 24 hours	72 hours	+
Tests for bacterial & fungal pathogens	✓	✓	
PCR + Guided AST	✓	2 times less sensitive	+
Polymicrobial infection detection	✓	✗	
Mycoplasma hominis and Ureaplasma urealyticum detected by PCR only	✓	✗	
Aerococcus urinae and Corynebacterium detected in a short TAT	✓	✗	

Slow or non-growing organisms: some UTI uropathogens simply don't grow in vitro (meaning in a culture or test tube). These are organisms such as aerococcus urinae or corynebacterium riegelii. Sometimes even common bacteria such as Escherichia coli have failed growth in culture.

Polymicrobial organisms: infection caused by multiple relevant UTI uropathogens are missed by culture.

* Percentage indicates sensitivity and specificity for the presence of leukocyte esterase and nitrites.
 ** Results for AST will take longer

Our labs hold the highest standards of testing accuracy and are focused on providing medical professionals the opportunity to **optimize patient care**. Through industry-leading turnaround times, superior testing methods, extended panels, and detailed reporting, **Acutis is a biomedical specialty laboratory that has no tolerance for error.**

Therapy options that yield better patient care with ease



- + Organism detection
- + Antibiotic treatment with genes resistance



- + Antibiotic treatment with PCR guided culture sensitivity

Accurate Pathogen Identification

Precise Medication Recommendation

Acūtis
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Acutis Reveal™ Report Status - FINAL

Pathogen Detected

Name: Test, Test Accession# 3613165 Doctor: Marjorie Bon Homme
Date of Birth: 12/23/1993 Sample ID CE2249224 Organization: Testing and Verification - Acutis
Gender: Female Matrix: Clean Catch Urine
ID: 3022-370242 Collection Date: 05/09/2022 03:08 PM
Received Date: 05/11/2022 12:06 PM
Reported Date: 05/14/2022 03:29 PM

Urinary Tract Infection (UTI) - Detected by PCR

Organisms	Outcome, CFU/mL
<i>Enterococcus faecalis</i>	Positive, >100,000
<i>Escherichia coli</i>	Positive, >100,000

Possible Treatment Options & Resistance

Treatment	Organisms: Enterococcus faecalis Colony Count: 50,000 CFU/mL			Escherichia coli Colony Count: 80,000 CFU/mL		
	EMP	AST	MIC	EMP	AST	MIC
Nitrofurantoin	EMP	S	<=32.000	EMP	S	<=32.000
Ciprofloxacin		S	<=1.0000	EMP	S	<=0.2500
Levofloxacin		S	<=1.0000	EMP	S	<=0.5000
Tetracycline		-	-	EMP	S	<=4.0000
Trimethoprim/Sulfamethoxazole	EMP	S	<=2.0000	S	S	<=4.0000
Amikacin	RGD	R	<=2.0000	EMP	S	<=2.0000
Ampicillin		-	-	S	S	<=8.0000
Ampicillin/Sulbactam		S	1.0000	S	S	<=8.0000
Aztreonam		-	-	S	S	<=4.0000
Cefazolin		-	-	S	S	<=1.0000
Cefepime		-	-	S	S	2.0000
Ceftaroline		-	-	S	S	<=2.0000
Ceftazidime		R	1.0000	-	-	-
Ceftriaxone		-	-	S	S	<=1.0000
Clindamycin		R	>64.0000	S	S	<=0.5000
Doripenem		R	>2.0000	-	-	-
Ertapenem		-	-	S	S	<=0.5000
Gentamicin		-	-	S	S	<=0.2500
Imipenem		R	8.0000	S	S	<=2.0000
Meropenem		-	-	S	S	<=2.0000

Enhancing the patient outcomes

- Detection of 31 major pathogens

Gram negative organisms

Acinetobacter baumannii
Citrobacter freundii
Citrobacter koseri
Enterobacter aerogenes
Enterobacter cloacae
Escherichia coli
Klebsiella oxytoca
Klebsiella pneumoniae
Morganella morganii

Mycoplasma hominis
Pantoea agglomerans
Proteus mirabilis
Proteus vulgaris
Providencia stuartii
Pseudomonas aeruginosa
Serratia marcescens
Ureaplasma urealyticum

Gram positive organisms

Actinobaculum schaalii
Aerococcus urinae
Alloscardovia omnicolens
Coagulase Negative Staph group
Corynebacterium riegliei
Enterococcus faecalis
Enterococcus faecium
Staphylococcus aureus
Streptococcus agalactiae
Viridans Group Streptococcus

Fungi

Candida albicans
Candida auris
Candida glabrata
Candida parapsilosis

- Detection of 22 antibiotic resistance genes

ampC, *DHA*, *IMP* group, *OXA* group, *VIM*, *CTX-M* group, *GES*, *PER* group, *TEM*, *mecA*, *Qnr* group, *Van* group, *dfrA* group, *Sul* group, *nfsA*, *FOX*, *ACC*, *MOX*, *CMY*, *SHV*, *VEB*, *KPC*

Talk to a specialist:

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