UTI and ABR Screening Details

Our urinary tract infection testing panel covers seventeen different microorganismal (bacteria and fungi) targets as well as 36 different antibiotic resistance (ABR) genes.

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

Fungal Target:
Candida albicans

Gene Abbreviation	**ABR Gene Family**
ACC	β-lactamase
ACT/MIR	β-lactamase
ampC	β-lactamase
blaIMP	Metallo-β-lactamase
CTX-M group 1	β-lactamase
CTX-M group 8/25	β-lactamase
CTM-X group 9	β-lactamase
DfrA1	Trimethoprim-Resistant Dihydrofolate Reductase
DfrA5	Trimethoprim-Resistant Dihydrofolate Reductase
ErmA	23S Ribosomal RNA Methyltransferase
ErmB	23S Ribosomal RNA Methyltransferase
ErmC	23S Ribosomal RNA Methyltransferase
fosA	Fosfomycin Thiol Transferase
FOX	β-lactamase
gyrA D87N	DNA Gyrase Inhibitor Inactivation
gyrA S83L	DNA Gyrase Inhibitor Inactivation
IMP-2 group	β-lactamase
KPC	β-lactamase
mecA	Methicillin Resistant PBP2
NDM	β-lactamase
OXA-48	β-lactamase
QnrA	Quinolone Resistance Protein
QnrS	Quinolone Resistance Protein
SHV	Broad spectrum β-lactamase
sul 1	Sulfonamide Resistance
sul 2	Sulfonamide Resistance
TEM	Class A Broad-Spectrum β-lactamase
TEM E102K	Class A Broad-Spectrum β-lactamase
TEM E237K	Class A Broad-Spectrum β-lactamase
TEM G238S	Class A Broad-Spectrum β-lactamase
TEM R162S	Class A Broad-Spectrum β-lactamase
TetB	Major Facilitator Superfamily Antibiotic Efflux Pump
TetM	Tetracycline-Resistant Ribosomal Protection Protein
vanA	Glycopeptide Resistance Gene Cluster, Van Ligase
vanB	Glycopeptide Resistance Gene Cluster, Van Ligase
VIM	Metallo-β-lactamase