

# Illumina Urinary Pathogen ID/AMR Panel

- Detects and quantifies over 170 common, less common, challenging-to-grow, and frequently missed uropathogens
- Includes > 3700 markers associated with antimicrobial resistance
- Covers broad range of critical uropathogens, including 27 sexually transmitted pathogens, > 120 bacteria, 14 fungi, 35 viruses, and 4 parasites

Bacteria				
<i>Acidovorax wautersii</i>	<i>Citrobacter koseri</i> <sup>a</sup>	<i>Hafnia alvei</i> <sup>a</sup>	<i>Neisseria gonorrhoeae</i> <sup>a</sup>	<i>Staphylococcus epidermidis</i> <sup>a</sup>
<i>Acinetobacter baumannii</i> <sup>a</sup>	<i>Corynebacterium aurimucosum</i>	<i>Klebsiella aerogenes</i> ( <i>Enterobacter aerogenes</i> ) <sup>a</sup>	<i>Neisseria meningitidis</i> <sup>a</sup>	<i>Staphylococcus haemolyticus</i> <sup>a</sup>
<i>Acinetobacter calcoaceticus</i> <sup>a</sup>	<i>Corynebacterium coyleae</i>	<i>Klebsiella oxytoca</i> <sup>a</sup>	<i>Oligella urethralis</i> <sup>a</sup>	<i>Staphylococcus hominis</i> <sup>a</sup>
<i>Acinetobacter pittii</i> <sup>a</sup>	<i>Corynebacterium genitalium</i>	<i>Klebsiella pneumoniae</i> <sup>a</sup>	<i>Pantoea agglomerans</i> <sup>a</sup>	<i>Staphylococcus intermedius</i> <sup>a</sup>
<i>Actinobaculum massiliense</i>	<i>Corynebacterium glucuronolyticum</i>	<i>Klebsiella quasipneumoniae</i> <sup>a</sup>	<i>Pasteurella multocida</i> <sup>a</sup>	<i>Staphylococcus lugdunensis</i> <sup>a</sup>
<i>Actinotignum sanguinis</i>	<i>Corynebacterium jeikeium</i> <sup>a</sup>	<i>Klebsiella variicola</i> <sup>a</sup>	<i>Peptostreptococcus anaerobius</i>	<i>Staphylococcus saprophyticus</i> <sup>a</sup>
<i>Actinotignum schaalii</i> ( <i>Actinobaculum schaalii</i> )	<i>Corynebacterium pseudogenitalium</i>	<i>Kluyvera ascorbata</i> <sup>a</sup>	<i>Porphyromonas asaccharolytica</i>	<i>Staphylococcus simulans</i> <sup>a</sup>
<i>Aerococcus christensenii</i>	<i>Corynebacterium renale</i>	<i>Kocuria rosea</i>	<i>Prevotella timonensis</i>	<i>Staphylococcus warneri</i> <sup>a</sup>
<i>Aerococcus sanguinicola</i>	<i>Corynebacterium riegellii</i>	<i>Listeria monocytogenes</i> <sup>a</sup>	<i>Propionimicrobium lymphophilum</i>	<i>Stenotrophomonas maltophilia</i> <sup>a</sup>
<i>Aerococcus urinae</i>	<i>Corynebacterium urealyticum</i> <sup>a</sup>	<i>Mobiluncus curtisii</i>	<i>Proteus mirabilis</i> <sup>a</sup>	<i>Streptococcus agalactiae</i> <sup>a</sup>
<i>Aerococcus viridans</i>	<i>Dialister microaerophilus</i>	<i>Mobiluncus mulieris</i>	<i>Proteus penneri</i> <sup>a</sup>	<i>Streptococcus anginosus</i> <sup>a</sup>
<i>Aeromonas hydrophila</i> <sup>a</sup>	<i>Enterobacter cloacae</i> complex <sup>a</sup>	<i>Moraxella catarrhalis</i> <sup>a</sup>	<i>Proteus vulgaris</i> <sup>a</sup>	<i>Streptococcus constellatus</i> <sup>a</sup>
<i>Alloscardovia omnicolens</i>	<i>Enterococcus faecalis</i> <sup>a</sup>	<i>Morganella morganii</i> <sup>a</sup>	<i>Providencia rettgeri</i> <sup>a</sup>	<i>Streptococcus intermedius</i>
<i>Anaerococcus lactolyticus</i>	<i>Enterococcus faecium</i> <sup>a</sup>	<i>Mycobacterium avium</i> complex	<i>Providencia stuartii</i> <sup>a</sup>	<i>Streptococcus pneumoniae</i> <sup>a</sup>
<i>Anaerococcus vaginalis</i> ( <i>Peptostreptococcus vaginalis</i> )	<i>Enterococcus gallinarum</i> <sup>a</sup>	<i>Mycobacterium gordonae</i>	<i>Pseudomonas aeruginosa</i> <sup>a</sup>	<i>Streptococcus pyogenes</i> <sup>a</sup>
<i>Atopobium vaginae</i>	<i>Enterococcus raffinosus</i>	<i>Mycobacterium kansasii</i>	<i>Pseudomonas mendocina</i> <sup>a</sup>	<i>Treponema pallidum</i>
<i>Bacillus subtilis</i> <sup>a</sup>	<i>Escherichia coli</i> <sup>a</sup>	<i>Mycobacterium marinum</i>	<i>Pseudomonas putida</i> <sup>a</sup>	<i>Ureaplasma parvum</i>
<i>Bacteroides fragilis</i> <sup>a</sup>	<i>Facklamia hominis</i>	<i>Mycobacterium scrofulaceum</i>	<i>Rahnella aquatilis</i>	<i>Ureaplasma urealyticum</i>
<i>Bifidobacterium breve</i> <sup>a</sup>	<i>Finegoldia magna</i> ( <i>Peptostreptococcus magnus</i> )	<i>Mycobacterium simiae</i> complex	<i>Rhodanobacter denitrificans</i>	<i>Veillonella parvula</i>
<i>Burkholderia cepacia</i> complex <sup>a</sup>	<i>Francisella tularensis</i> <sup>a</sup>	<i>Mycobacterium szulgai</i>	<i>Riemerella anatipestifer</i> <sup>a</sup>	<i>Vibrio cholerae</i> <sup>a</sup>
<i>Campylobacter jejuni</i> <sup>a</sup>	<i>Fusobacterium necrophorum</i>	<i>Mycobacterium tuberculosis</i> complex <sup>a</sup>	<i>Rothia kristinae</i> ( <i>Kocuria kristinae</i> )	<i>Yersinia enterocolitica</i> <sup>a</sup>
<i>Chlamydia trachomatis</i> <sup>a</sup>	<i>Fusobacterium nucleatum</i> <sup>a</sup>	<i>Mycobacterium xenopi</i>	<i>Salmonella enterica</i> <sup>a</sup>	
<i>Chromobacterium violaceum</i>	<i>Haemophilus ducreyi</i>	<i>Mycobacteroides chelonae</i> ( <i>Mycobacterium chelonae</i> )	<i>Serratia marcescens</i> <sup>a</sup>	
<i>Chryseobacterium indologenes</i> <sup>a</sup>	<i>Haemophilus influenzae</i> <sup>a</sup>	<i>Mycoplasma genitalium</i> <sup>a</sup>	<i>Sneathia amnii</i> ( <i>Leptotrichia amnionii</i> )	
<i>Citrobacter freundii</i> complex <sup>a</sup>	<i>Haemophilus parainfluenzae</i> <sup>a</sup>	<i>Mycoplasma hominis</i>	<i>Staphylococcus aureus</i> <sup>a</sup>	

Viruses				
BK polyomavirus	Human adenovirus E	Human papillomavirus type 30 (Low-risk)	Human papillomavirus type 45 (High-risk)	Human papillomavirus type 6 (Low-risk)
Cytomegalovirus	Human herpesvirus 6	Human papillomavirus type 31 (High-risk)	Human papillomavirus type 51 (High-risk)	Human papillomavirus type 66 (High-risk)
Epstein-Barr virus	Human herpesvirus 7	Human papillomavirus type 33 (High-risk)	Human papillomavirus type 52 (High-risk)	Human papillomavirus type 68 (High-risk)
Herpes simplex virus 1	Human herpesvirus 8	Human papillomavirus type 35 (High-risk)	Human papillomavirus type 54 (Low-risk)	Human papillomavirus type 70 (High-risk)
Herpes simplex virus 2	Human papillomavirus type 11 (Low-risk)	Human papillomavirus type 39 (High-risk)	Human papillomavirus type 55/44 (Low-risk)	JC polyomavirus
Human adenovirus B	Human papillomavirus type 16 (High-risk)	Human papillomavirus type 42 (Low-risk)	Human papillomavirus type 56 (High-risk)	Molluscum contagiosum virus
Human adenovirus C	Human papillomavirus type 18 (High-risk)	Human papillomavirus type 43 (Low-risk)	Human papillomavirus type 58 (High-risk)	Simian virus 40
Fungi				
<i>Aspergillus flavus</i>	<i>Candida dubliniensis</i>	<i>Candida krusei</i> ( <i>Pichia kudriavzevii</i> )	<i>Candida tropicalis</i>	<i>Trichosporon asahii</i>
<i>Candida albicans</i>	<i>Candida fabianii</i> ( <i>Cyberlindnera fabianii</i> )	<i>Candida lusitanae</i> ( <i>Clavispora lusitanae</i> )	<i>Cryptococcus neoformans</i>	<i>Trichosporon beigellii</i> ( <i>Cutaneotrichosporon cutaneum</i> )
<i>Candida auris</i> ( <i>Clavispora auris</i> )	<i>Candida glabrata</i> ( <i>Nakaseomyces glabrata</i> )	<i>Candida parapsilosis</i>	<i>Histoplasma capsulatum</i>	
Parasites				
<i>Entamoeba histolytica</i>	<i>Giardia intestinalis</i>	<i>Schistosoma haematobium</i>	<i>Trichomonas vaginalis</i>	

a. Includes gene variants that are associated with antimicrobial resistance

### Drug classes on the Urinary Pathogen ID/AMR Panel

Antimicrobials	Aminoglycosides
	Beta-lactam + beta-lactamase inhibitor
	Carbapenems
	Cephalosporins (1st generation)
	Cephalosporins (2nd generation)
	Cephalosporins (3rd generation)
	Cephalosporins (4th generation)
	Diaminopyrimidine
	Fluoroquinolones
	Fosfomycin
	Glycopeptides
	Lincosamides
	Macrolides
	Oxazolidinones
	Penicillins
Polymyxins	
Tetracyclines	

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