

Unyvero is designed to expand with your growing needs

- Blood Culture – BCU
- Hospitalized Pneumonia – HPN
- Implant & Tissue Infection – ITI
- Intra-Abdominal Infection – IAI
- Urinary Tract Infection – UTI



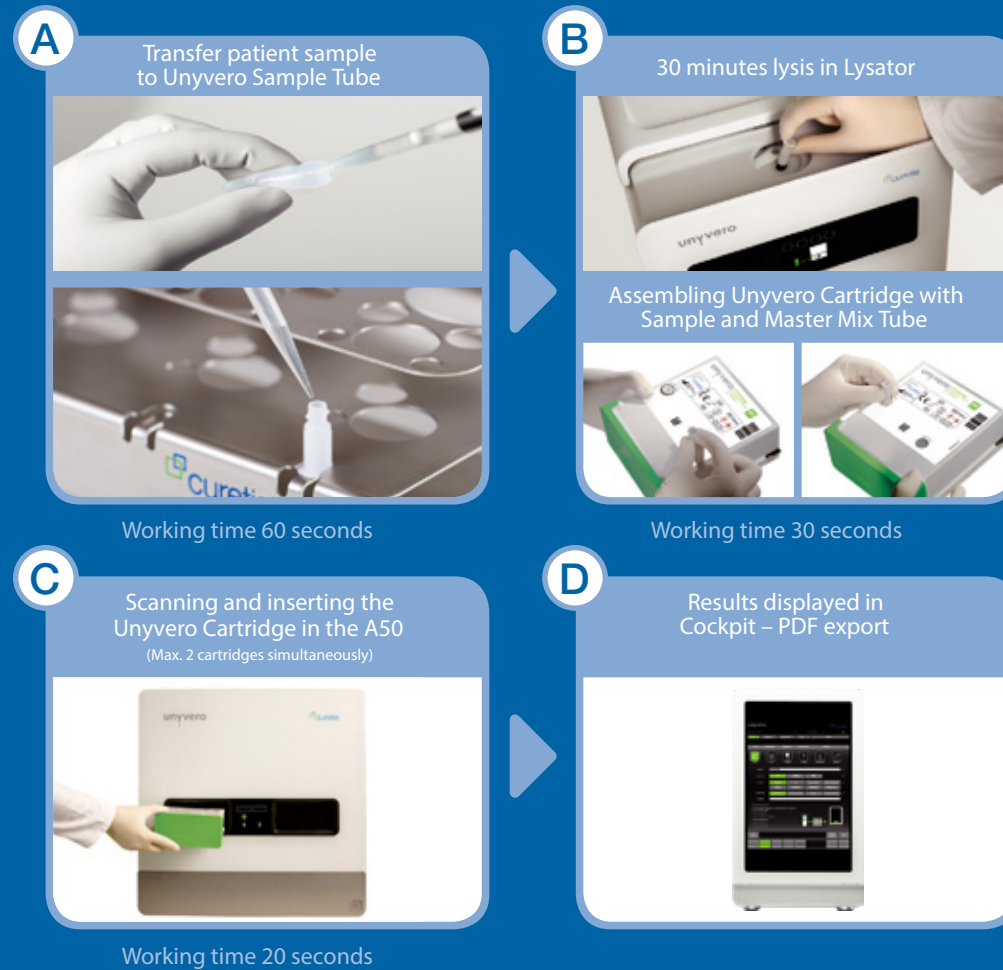
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System Workflow



4 to 5 hour analysis process



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Urinary Tract Infection (UTI) Cartridge

Gram-positive bacteria	Universal Bacteria	Resistance	Gene
<i>Staphylococcus aureus</i> Coagulase negative staphylococci <i>Staphylococcus saprophyticus</i> <i>Streptococcus agalactiae</i> <i>Enterococcus</i> spp. <i>Enterococcus faecalis</i> <i>Enterococcus faecium</i> <i>Corynebacterium urealyticum</i>	Detection of prokaryotic genetic sequence	Oxacillin	<i>mecA</i>
		Glycopeptides	<i>vanA</i> <i>vanB</i>
	Non-fermenting bacteria	3rd generation Cephalosporins	<i>ctx-M</i>
	<i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i>	Carbapenem	<i>imp</i> <i>kpc</i> <i>ndm</i> <i>oxa-23</i> <i>oxa-24/40</i> <i>oxa-48</i> <i>vim</i>
Enterobacteriaceae	Anaerobic bacteria	Polypeptides / polymyxins	<i>mcr-1</i>
<i>Enterobacteriaceae</i> <i>Citrobacter freundii</i> / <i>koseri</i> <i>Enterobacter aerogenes</i> <i>Enterobacter cloacae</i> complex <i>Escherichia coli</i> <i>Klebsiella oxytoca</i> <i>Klebsiella pneumoniae</i> <i>Klebsiella variicola</i> <i>Proteus</i> spp. <i>Providencia</i> spp.	<i>Bacteroides</i> spp. / <i>Prevotella</i> spp.	Fluoroquinolones	<i>qnrB</i> <i>qnrS</i>
	Fungi	Sulfonamide	<i>sul1</i>
	<i>Candida</i> spp. <i>Candida albicans</i> <i>Candida auris</i> <i>Candida glabrata</i>		

103*

Sample Types
Urine (mid-stream, suprapubic, fresh catheter) and tissue.

*88 Pathogens, 15 Resistance Genes

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Panel Overview



Blood Culture (BCU) Cartridge

Gram-positive bacteria	Universal Bacteria	Fungi
<i>Staphylococcus aureus</i> Coagulase negative staphylococci <i>Streptococcus</i> spp. <i>Streptococcus agalactiae</i> <i>Streptococcus pneumoniae</i> <i>Streptococcus pyogenes</i> / <i>dysgalactiae</i> <i>Enterococcus</i> spp. <i>Enterococcus faecalis</i> <i>Listeria monocytogenes</i>	Detection of prokaryotic genetic sequence	<i>Aspergillus</i> spp. <i>Candida</i> spp. <i>Candida albicans</i> <i>Candida dubliniensis</i> <i>Candida glabrata</i> <i>I. orientalis</i> (C. krusei) <i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i> <i>Stenotrophomonas maltophilia</i> <i>Candida parapsilosis</i> <i>Candida tropicalis</i>
Enterobacteriaceae	Anaerobic bacteria	ResistanceGene
<i>Citrobacter freundii</i> / <i>koseri</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Enterobacter aerogenes</i> <i>Klebsiella oxytoca</i> <i>Klebsiella pneumoniae</i> <i>Klebsiella variicola</i> <i>Proteus</i> spp. <i>Serratia marcescens</i>	<i>Propionibacterium acnes</i>	Aminoglycosideaac(6')/aph(2'')aacA4 Macrolide/LincosamideermA OxacillinmecAmecC GlycopeptidesvanA vanB 3rd generation Cephalosporinsctx-M Carbapenemimp kpc ndm oxa-23 oxa-24/40 oxa-48 oxa-58 vim
Corynebacteriaceae	Other Gram-negative bacteria	
<i>Corynebacterium</i> spp.	<i>Haemophilus influenzae</i> <i>Neisseria meningitidis</i>	
Mycobacteriaceae		
<i>Mycobacterium</i> spp.		

Sample Types
Positively flagged blood cultures

*86 Pathogens, 17 Resistance Genes



Hospitalized Pneumonia (HPN) Cartridge

Gram-positive bacteria	Non-fermenting bacteria	ResistanceGene
<i>Staphylococcus aureus</i> <i>Streptococcus pneumoniae</i>	<i>Moraxella catarrhalis</i> <i>Pseudomonas aeruginosa</i> <i>Acinetobacter baumannii</i> complex <i>Stenotrophomonas maltophilia</i> <i>Legionella pneumophila</i>	Macrolide/LincosamideermB OxacillinmecAmecC Penicillin tem shv 3rd generation Cephalosporinsctx-M Carbapenemimp kpc ndm oxa-23 oxa-24/40 oxa-48 oxa-58 vim Sulfonamide sul1 FluoroquinolonegyrA83 gyrA87
Enterobacteriaceae	Others/Fungi	
<i>Citrobacter freundii</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Enterobacter aerogenes</i> <i>Proteus</i> spp. <i>Klebsiella pneumoniae</i> <i>Klebsiella oxytoca</i> <i>Klebsiella variicola</i> <i>Serratia marcescens</i> <i>Morganella morganii</i>	<i>Pneumocystis jirovecii</i> <i>Haemophilus influenzae</i> <i>Mycoplasma pneumoniae</i> <i>Chlamydomphila pneumoniae</i>	

Sample Types
Sputum, bronchoalveolar lavage, tracheal aspirates

*29 Pathogens, 19 Resistance Genes



Implant & Tissue Infection (ITI) Cartridge

Gram-positive bacteria	Universal Bacteria	Fungi
<i>Staphylococcus aureus</i> Coagulase negative staphylococci <i>Streptococcus</i> spp. <i>Streptococcus agalactiae</i> <i>Streptococcus pneumoniae</i> <i>Streptococcus pyogenes</i> / <i>dysgalactiae</i> <i>Granulicatella adiacens</i> <i>Abiotrophia defectiva</i> <i>Enterococcus</i> spp. <i>Enterococcus faecalis</i>	Detection of prokaryotic genetic sequence	<i>Candida</i> spp. <i>Candida albicans</i> <i>Candida glabrata</i> <i>I.orientalis</i> (C.krusei) <i>Candida tropicalis</i>
Enterobacteriaceae	Non-fermenting bacteria	ResistanceGene
<i>Citrobacter freundii</i> / <i>koseri</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Enterobacter aerogenes</i> <i>Klebsiella pneumoniae</i> <i>Klebsiella oxytoca</i> <i>Klebsiella variicola</i> <i>Proteus</i> spp.	<i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i>	Macrolide/LincosamideermA ermC Aminoglycosideaac(6')/aph(2'')aacA4 OxacillinmecAmecC GlycopeptidesvanA vanB 3rd generation Cephalosporinsctx-M Carbapenemimp kpc ndm oxa-23 oxa-24/40 oxa-48 oxa-58 vim
Corynebacteriaceae	Anaerobic bacteria	
	<i>Propionibacterium acnes</i> <i>Finegoldia magna</i> <i>Bacteroides fragilis</i> group	
	Corynebacteriaceae	
	<i>Corynebacterium</i> spp.	

Sample Types
Sonication fluids, swabs, tissue, pus, aspirate/exudate, bone fragments, etc.

*85 Pathogens, 17 Resistance Genes



Intra-Abdominal Infection (IAI) Cartridge

Gram-positive bacteria	Anaerobic/facultative anaerobic bacteria	ToxinMarker
Coagulase negative staphylococci <i>Enterococcus faecalis</i> <i>Enterococcus</i> spp. <i>Streptococcus</i> spp. <i>Staphylococcus aureus</i>	<i>Aeromonas</i> spp. <i>Bacteroides fragilis</i> group <i>Bacteroides</i> spp. / <i>Prevotella</i> spp. <i>Clostridium difficile</i> <i>Clostridium perfringens</i> <i>Finegoldia magna</i> <i>Propionibacterium acnes</i>	Toxin BtcdB Shiga Toxin stx1/2
Enterobacteriaceae	Non-fermenting bacteria	ResistanceGene
<i>Escherichia coli</i> <i>Enterobacter aerogenes</i> <i>Enterobacter cloacae</i> complex <i>Klebsiella pneumoniae</i> <i>Klebsiella oxytoca</i> <i>Klebsiella variicola</i> <i>Proteus</i> spp.	<i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i>	OxacillinmecAmecC GlycopeptidesvanA vanB AminoglycosideaacA4 3rd generation Cephalosporinsctx-M FosfomycinfosA3 Polypeptides/polymyxinsmcr-1 NitroimidazolenimA nimB FluoroquinoloneqnrA qnrB qnrS TetracyclinetetA Carbapenemimp kpc ndm oxa-23 oxa-24/40 oxa-48 oxa-58 vim
Universal Bacteria	Fungi	
Detection of prokaryotic genetic sequence	<i>Candida</i> spp. <i>Candida albicans</i> <i>Candida glabrata</i> <i>Candida tropicalis</i> <i>Issatchenkia orientalis</i> (Candida krusei)	

Sample Types
Ascites and peritoneal fluid, pancreatic juice, bile, tissue, puncture fluid, swabs, catheter/drainage tips, and samples from positive blood culture bottles that have been inoculated with ascites/puncture fluid.

*105 Pathogens, 3 Toxins, 22 Resistance Genes