

unyvero

a product by curetis

Unyvero is designed to expand with your growing needs

Applications for severe infections:

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



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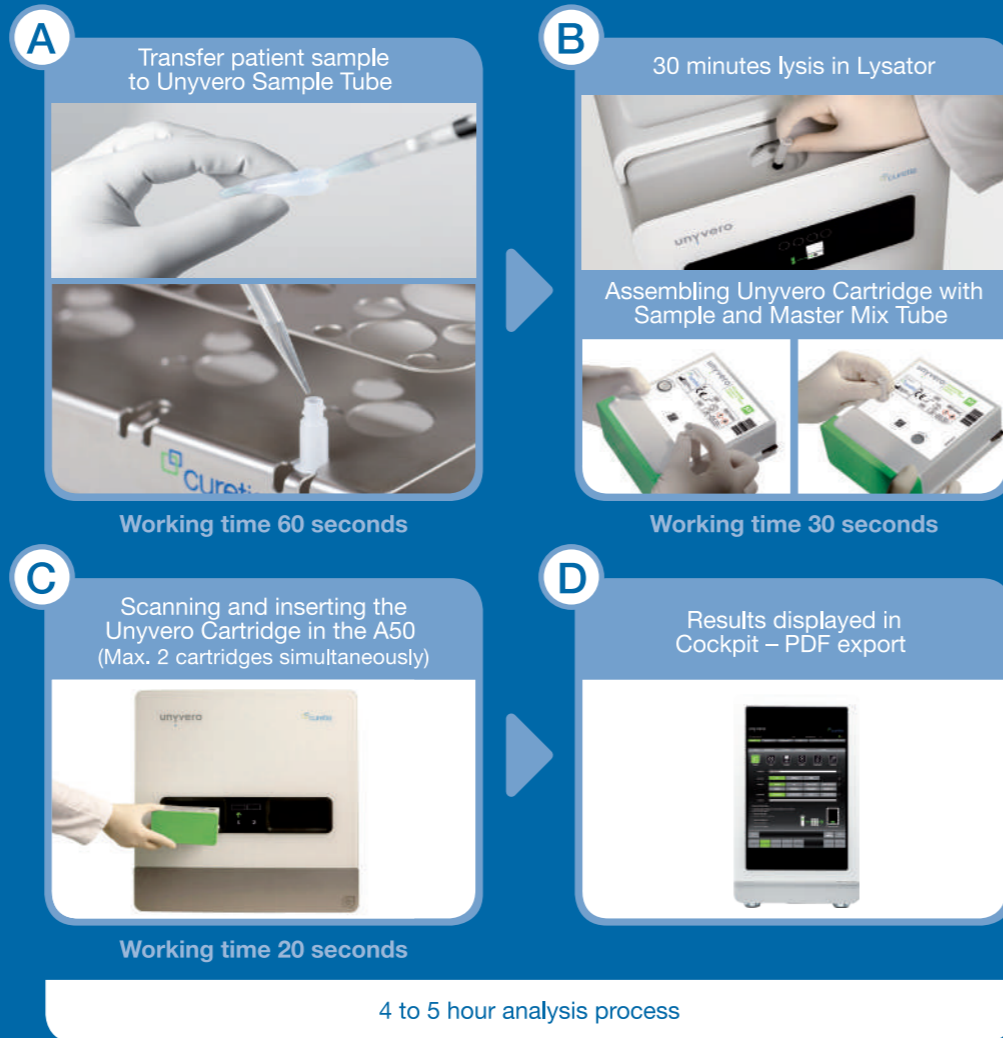
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System Workflow



Unyvero L4 Lysator Unyvero C8 Cockpit Unyvero A50 Analyzer

FOR PROFESSIONAL USE ONLY Cod. 51261



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Urinary Tract Infection (UTI) Cartridge

Gram-positive bacteria	Universal bacteria	Resistance	Gene
<i>Staphylococcus aureus</i> <i>Coagulase negative staphylococci</i> <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>kpc</i> <i>imp</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>Klebsiella aerogenes</i> (<i>E. aerogenes</i>) <i>Enterobacter cloacae</i> complex <i>Escherichia coli</i> <i>Klebsiella oxytoca</i> <i>Klebsiella pneumoniae</i> <i>Klebsiella varanicola</i> <i>Proteus</i> spp. <i>Providencia</i> spp.	<i>Bacteroides</i> spp. / <i>Prevotella</i> spp.	Fluoroquinolone	<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





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Blood Culture (BCU) Cartridge

103*

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>Candida parapsilosis</i> <i>Candida tropicalis</i>	
Enterobacteriaceae	Non-fermenting bacteria	Resistance	Gene
<i>Citrobacter freundii</i> / <i>koseri</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Klebsiella aerogenes</i> (E. aerogenes) <i>Klebsiella oxytoca</i> <i>Klebsiella pneumoniae</i> <i>Klebsiella variicola</i> <i>Proteus</i> spp. <i>Serratia marcescens</i>	<i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i> <i>Stenotrophomonas maltophilia</i>	Aminoglycoside	<i>aac(6'')/aph(2'')</i> <i>aacA4</i>
Corynebacteriaceae	Anaerobic bacteria	Macrolide/Lincosamide	<i>ermA</i>
<i>Corynebacterium</i> spp.	<i>Cutibacterium acnes</i> (P. acnes)	Oxacillin	<i>mecA</i> <i>mecC</i>
	Other Gram-negative bacteria	Glycopeptides	<i>vanA</i> <i>vanB</i>
	<i>Haemophilus influenzae</i> <i>Neisseria meningitidis</i>	3rd generation Cephalosporins	<i>ctx-M</i>
	Mycobacteriaceae	Carbapenem	<i>kpc</i> <i>imp</i> <i>ndm</i> <i>oxa-23</i> <i>oxa-24/40</i> <i>oxa-48</i> <i>oxa-58</i> <i>vim</i>
	<i>Mycobacterium</i> spp.		

Sample Types

Positively flagged blood cultures.

*86 Pathogens, 17 Resistance Genes



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Hospitalized Pneumonia (HPN) Cartridge

48*

Gram-positive bacteria	Non-fermenting bacteria	Resistance	Gene
<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/Lincosamide	<i>ermB</i>
Enterobacteriaceae	Others / Fungi	Oxacillin	<i>mecA</i> <i>mecC</i>
<i>Citrobacter freundii</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Klebsiella aerogenes</i> (E. aerogenes) <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>	Penicillin	<i>tem</i> <i>shv</i>
		3rd generation Cephalosporins	<i>ctx-M</i>
		Carbapenem	<i>kpc</i> <i>imp</i> <i>ndm</i> <i>oxa-23</i> <i>oxa-24/40</i> <i>oxa-48</i> <i>oxa-58</i> <i>vim</i>
		Sulfonamide	<i>sul1</i>
		Fluoroquinolone	<i>gyrA83</i> <i>gyrA87</i>

Sample Types

Sputum, bronchoalveolar lavage, tracheal aspirates.

*29 Pathogens, 19 Resistance Genes



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Implant & Tissue Infection (ITI) Cartridge

102*

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	Resistance	Gene
<i>Citrobacter freundii</i> / <i>koseri</i> <i>Escherichia coli</i> <i>Enterobacter cloacae</i> complex <i>Klebsiella aerogenes</i> (E. aerogenes) <i>Klebsiella pneumoniae</i> <i>Klebsiella oxytoca</i> <i>Proteus</i> spp.	<i>Acinetobacter baumannii</i> complex <i>Pseudomonas aeruginosa</i>	Macrolide/Lincosamide	<i>ermA</i> <i>ermC</i>
	Anaerobic bacteria	Aminoglycoside	<i>aac(6'')/aph(2'')</i> <i>aacA4</i>
	<i>Cutibacterium acnes</i> (P. acnes) <i>Finogoldia magna</i> <i>Bacteroides fragilis</i> group	Oxacillin	<i>mecA</i> <i>mecC</i>
	Corynebacteriaceae	Glycopeptides	<i>vanA</i> <i>vanB</i>
	<i>Corynebacterium</i> spp.	3rd generation Cephalosporins	<i>ctx-M</i>
		Carbapenem	<i>kpc</i> <i>imp</i> <i>ndm</i> <i>oxa-23</i> <i>oxa-24/40</i> <i>oxa-48</i> <i>oxa-58</i> <i>vim</i>

Sample Types

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

*85 Pathogens, 17 Resistance Genes



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Intra-Abdominal Infection (IAI) Cartridge

130*

Gram-positive bacteria	Anaerobic/facultative anaerobic bacteria	Toxin	Marker
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>Finogoldia magna</i> <i>Cutibacterium acnes</i> (P. acnes)	Toxin B	<i>tcdB</i>
Enterobacteriaceae	Non-fermenting bacteria	Shiga Toxin	<i>stx1/2</i>
<i>Escherichia coli</i> <i>Klebsiella aerogenes</i> (E. aerogenes) <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>	Resistance	Gene
	Fungi	Oxacillin	<i>mecA</i> <i>mecC</i>
	<i>Candida</i> spp. <i>Candida albicans</i> <i>Candida glabrata</i> <i>Candida tropicalis</i> <i>Issatchenkia orientalis</i> (Candida krusei)	Glycopeptides	<i>vanA</i> <i>vanB</i>
		Aminoglycoside	<i>aacA4</i>
		3rd generation Cephalosporins	<i>ctx-M</i>
		Fosfomycin	<i>fosA3</i>
		Polypeptides/polymyxins	<i>mcr-1</i>
		Nitroimidazole	<i>nimA</i> <i>nimB</i>
		Fluoroquinolone	<i>qnrA</i> <i>qnrB</i> <i>qnrS</i>
		Tetracycline	<i>tetA</i>
Universal bacteria		Carbapenem	<i>kpc</i> <i>imp</i> <i>ndm</i> <i>oxa-23</i> <i>oxa-24/40</i> <i>oxa-48</i> <i>oxa-58</i> <i>vim</i>
Detection of prokaryotic genetic sequence			

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