

Simultaneous detection of **36 bacterial species** Gram positive and Gram negative, **fungus and 20 antibiotic resistance genes**



- ✓ Blood cultures
- ✓ Rectal exudates
- ✓ Bacterial colonies



No DNA extraction

Organism / Resistance

Streptococcus pneumoniae
Streptococcus pyogenes
Stenotrophomonas maltophilia
Candida spp.
Acinetobacter baumannii
Serratia marcescens
Klebsiella pneumoniae
Streptococcus agalactiae
Coagulase- negative staphylococcus
Staphylococcus aureus
Escherichia coli
Enterobacteria

Organism / Resistance

Candida albicans
Listeria monocytogenes
Enterococcus spp.
Pseudomonas aeruginosa
Streptococcus spp.
Neisseria meningitidis
Proteus spp.
Morganella morganii
Methicillin resistance gene mecA
Vancomycin resistance gene vanA
Vancomycin resistance gene vanB
Class A carbapenemase KPC
Class A carbapenemase SME
Class A carbapenemase NMC/IMI

Organism / Resistance

β-lactamasa SHV
Extended- spectrum β- lactamase CTX-M
Class A carbapenemase GES
Class B carbapenemase VIM
Class B carbapenemase GIM
Class B carbapenemase SPM
Class B carbapenemase NDM
Class B carbapenemase SIM
Class B carbapenemase IMP3, 15, 19_like
Class D carbapenemase OXA23_like
Class D carbapenemase OXA24_like
Class D carbapenemase OXA48_like
Class D carbapenemase OXA51_like
Class D carbapenemase OXA58_like

B		LIS	kpc	spm		ECOLI	vanB		B
B	ABAU	ENTEROC	sme	ndm		ENTEROB	vanA	ges	oxa23
CI	SMAR/KLEB	PAER	nmc/imi	sim			mecA	vim	oxa24
BG	SAGAL	KLEB	SPYOG	imp	SMALTO	CALB		gim	oxa48
	STAPHYL	STREP	blaSHV		CAND		PROT/MOR	kpc	oxa51
SPENU	SA	NEISS	blaCTX		B	ABAU	LIS	spm	oxa58
	ECOLI	PROT/MOR	ges	oxa23	CI	SMAR/KLEB	ENTEROC	sme	ndm
SMALTO	ENTEROB		vim	oxa24	BG	SAGAL	PAER	mnc/imi	sim
CAND		mecA	gim	oxa48		STAPHYL	KLEB	SPYOG	imp
	CALB	vanA		oxa51	SPNEU	SA	STREP	blaSHV	
	B	vanB		oxa58			NEISS	blaCTX	