## **FilmArray® Blood Culture Identification Panel**

### 1 Test. 27 Targets. All in about an hour.



Gram-Positive Bacteria

Enterococcus Listeria monocytogenes **Staphylococcus** Staphylococcus aureus

#### Streptococcus

Streptococcus agalactiae Streptococcus pneumoniae Streptococcus pyogenes



Acinetobacter baumannii Haemophilus influenzae Neisseria meningitidis Pseudomonas aeruginosa

Enterobacteriaceae Enterobacter cloacae complex Escherichia coli Klebsiella oxytoca Klebsiella pneumoniae Proteus Serratia marcescens



Candida albicans Candida glabrata Candida krusei Candida parapsilosis Candida tro<mark>pical</mark>is



Antibiotic Resistance Genes

*mecA* – methicillin resistant *vanA/B* – vancomycin resistant KPC – carbapenem resistant

> For In-vitro Diagnostic Use FDA Cleared | CE-IVD Marked



# Simultaneous Identification of 27 Targets

The FilmArray Blood Culture Identification (BCID) Panel tests for a comprehensive list of 24 pathogens and 3 antibiotic resistance genes. The FilmArray instrument integrates sample preparation, amplification, detection and analysis into one simple system that requires two minutes of hands-on time and has a total run time of about an hour.

Simple: 2 minutes of hands-on timeEasy: No precise measuring or pipetting requiredFast: Turnaround time of about 1 hourComprehensive: 27 target BCID Panel



**PIONEERING DIAGNOSTICS** 

Panel Specifications	
Sample Handling	Performance Parameters
Sample Type: Positive Blood Culture	Hands-on time: Approximately two minutes
Sample Volume: 100 µL	Run time: About an hour



### **How Does the FilmArray Work?**

The FilmArray reagent pouch stores all the necessary reagents for sample preparation, reverse transcription, PCR and detection in a freeze-dried format. Prior to a run, the user injects hydration solution and sample combined with sample buffer mix into the pouch. The FilmArray instrument does the rest.

First, the FilmArray extracts and purifies all nucleic acids from the sample.

Next, the FilmArray performs a nested multiplex PCR. During the first-stage PCR, the FilmArray performs a single, large volume, massively multiplexed reaction. Last, individual singleplex second-stage PCR reactions detect the products from the first stage PCR.

Using endpoint melting curve data, the FilmArray software automatically generates a result for each target in a single report.

### Setting up the FilmArray is easy — a true Load and Go system.



### **The FilmArray Pouch and Analysis Report**



BCI	D Pane	I		-	3
					www.BioFireDx.com
Run Summary					
	Sample ID:	SDY_9621_LED_50_6	R	un Date:	29 May 2013
					3:41 PM
Organisn	ns Detected:	Enterobacteriaceae	C	controls:	Passed
		Klebsiella pneumoniae			
Applicable A	ntimicrobial	KPC Detected			
Resist	ance Genes:	N C - Delaciad			
Result Summa	ry - Interpreta	tions Antimicrobial Resistance	Canao		
/ Detected	к	PC (carbapenem-resistance gene)	Genes		
Q N/A	m	ecA (methicillin-resistance gene)			
9 N/A	Va	nA/B (vancomvcin-resistance genes)			
NOTE: Antimicro	bial resistance ca	in occur via multiple mechanisms. A Not Detected r	esult for the FilmArray ar	ntimicrobial r	esistance gene assays
does not indicate	antimicrobial su:	ceptibility. Subculturing is required for species iden	tification and susceptibili	ty testing of i	solates.
Not Detected	E	Gram Positive Bacter	ia		
Not Detected	- Li	steria monocutorienes			
Not Detected	S	anhvlococcus			
Not Detected		Stanhylococcus aureus			
Not Detected	S	reptococcus			
Not Detected		Streptococcus agalactiae (Group B)			
Not Detected		Streptococcus pneumoniae			
Not Detected		Streptococcus pyogenes (Group A)			
		Gram Negative Bacte	ria		
Not Detected	A	cinetobacter baumannii			
<ul> <li>Detected</li> </ul>	E	nerobacienaceae			
Not Detected		Enterobacter cioacae complex			
Not Detected		Klabelalla ovutoca			
✓ Detected		Klebsiella nneumoniae			
Not Detected		Proteus			
Not Detected		Serratia marcescens			
Not Detected	н	aemophilus influenzae			
Not Detected	N	eisseria meningitidis			
Not Detected	P	seudomonas aeruginosa			
		Yeast			
Not Detected	C	andida albicans			
Not Detected	C	andida glabrata			
Not Detected	0	analaa krusel			
Not Detected	0	andida tropicalis			
Due Datalla					
Kun Details	DOID Dees		Destacely	DOID	
Pouch: Bun Statue	Completed		Protocol:	BLODO	
Serial No	00631374		Instrument:	FA2075	
Lot No.	125313		inot amont.		

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