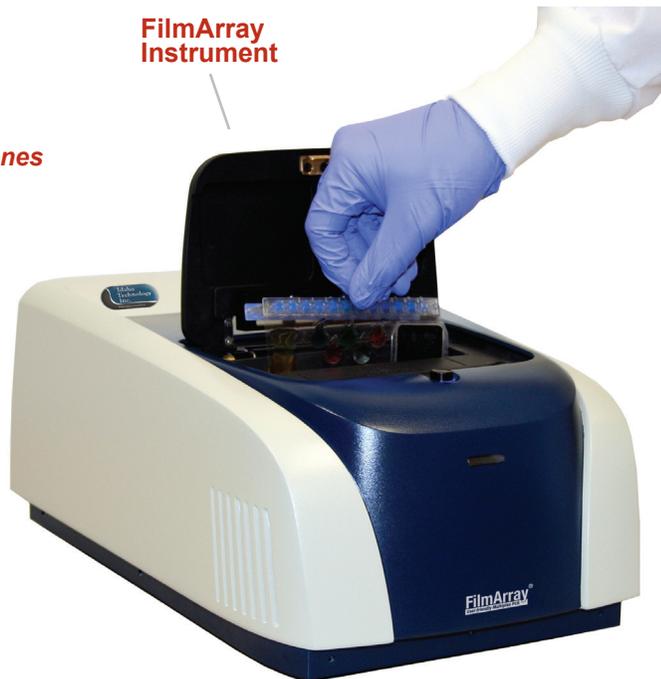
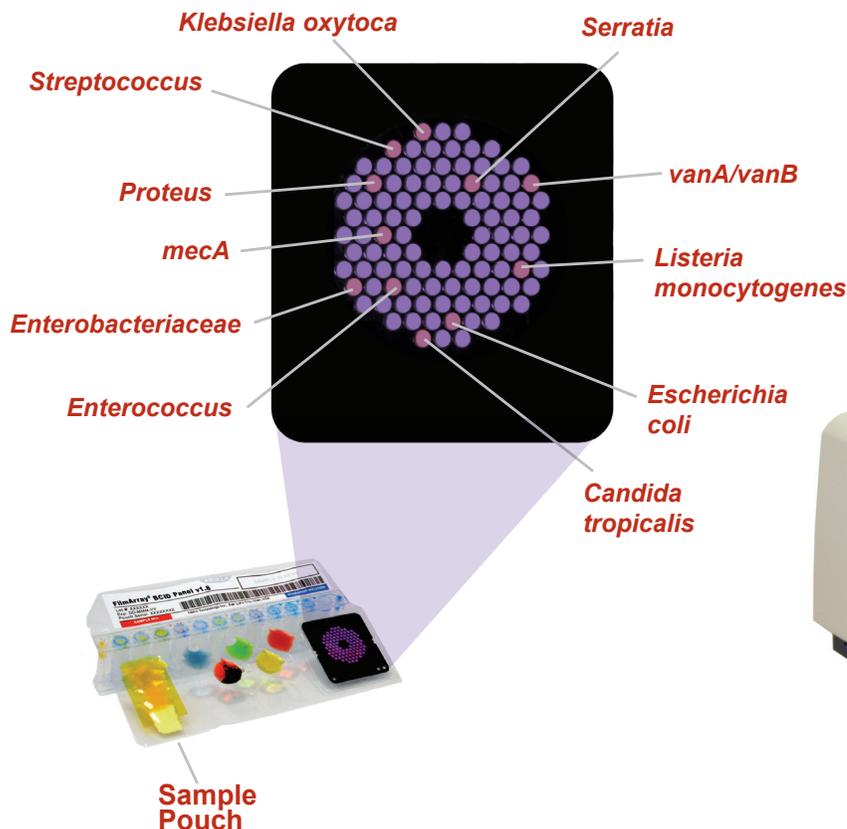


FilmArray® Blood Culture ID Panel

For Research Use Only
Not for Use in Diagnostic Procedures

Information Sheet



The FilmArray: User-Friendly Multiplex PCR

The FilmArray Blood Culture ID Panel (BCID) tests for a comprehensive panel of pathogens which cause blood infections. The FilmArray integrates sample preparation, amplification, detection, and analysis into one simple system that requires 3 minutes of hands-on time and has a total run time of about 1 hour.

- **Simple:** 3 minutes of hands-on time
- **Easy:** No precise measuring or pipetting required
- **Fast:** Turnaround time of about 1 hour
- **Comprehensive:** 27 target BCID panel

The FilmArray BCID Panel

Simultaneous detection of 27 targets:



Gram + Bacteria

- *Staphylococcus*
- *Staphylococcus aureus*
- *Streptococcus*
- *Streptococcus agalactiae*
- *Streptococcus pyogenes*
- *Streptococcus pneumoniae*
- *Enterococcus*
- *Listeria monocytogenes*



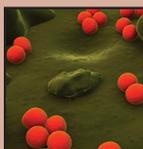
Gram - Bacteria

- *Klebsiella oxytoca*
- *Klebsiella pneumoniae*
- *Serratia*
- *Proteus*
- *Acinetobacter baumannii*
- *Haemophilus influenzae*
- *Neisseria meningitidis*
- *Pseudomonas aeruginosa*
- *Enterobacteriaceae*
- *Escherichia coli*
- *Enterobacter cloacae* complex



Fungi

- *Candida albicans*
- *Candida glabrata*
- *Candida krusei*
- *Candida parapsilosis*
- *Candida tropicalis*



Antibiotic Resistance

- *mecA*
- *vanA / vanB*
- *KPC*

Idaho Technology is now



Panel Specifications

Sample Handling

- Sample Type: Blood Culture
- Sample Volume: 250 µL

Performance Parameters

- Hands on time: 3 minutes
- Run turnaround time: about 1 hour

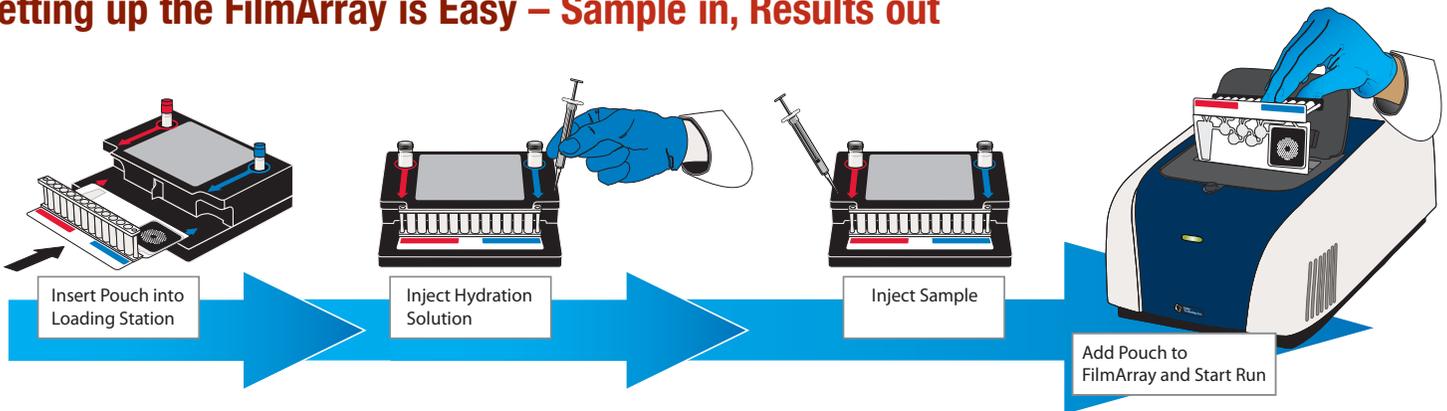
How Does the FilmArray Work?

The FilmArray reagent pouch stores all the necessary reagents for sample preparation, PCR, and detection in a freeze-dried format. Prior to a run, the user injects Hydration Solution and positive aerobic blood culture sample combined with Sample Buffer into the pouch. The FilmArray instrument does the rest.

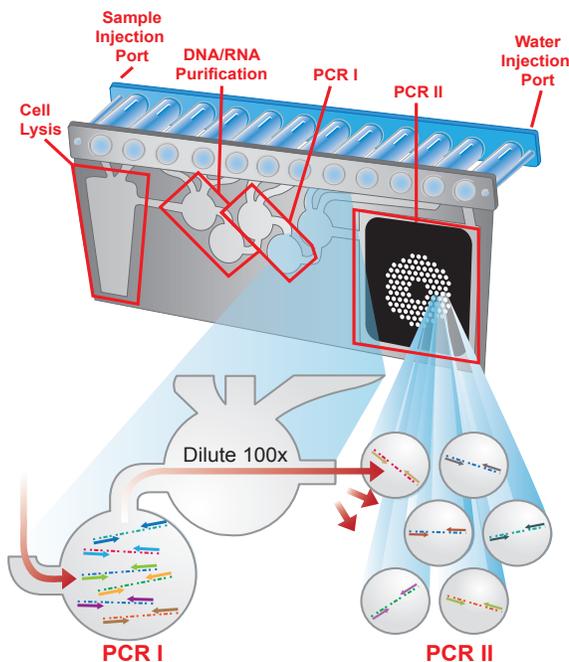
First, the FilmArray extracts and purifies all nucleic acids from the sample. Next, the FilmArray performs a nested multiplex PCR. During the first-stage PCR, the FilmArray performs a single, large volume, massively multiplexed reaction. Last, individual singleplex second-stage PCR reactions detect the 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 – Sample in, Results out



The FilmArray Pouch and Analysis Report



FilmArray® BCID Panel		FilmArray® Mahu Technology Inc. www.idahotech.com	
Run Summary			
Sample ID:	5302d_MRSE-29887_8H2	Run Date:	04 Jul 2012
Detected:	<i>Staphylococcus</i> <i>Methicillin resistance gene mecA</i>	Time:	7:04 PM
Equivalent:	None	Controls:	Passed
Result Summary			
Not Detected	<i>Acinetobacter baumannii</i>		
Not Detected	<i>Candida albicans</i>		
Not Detected	<i>Candida glabrata</i>		
Not Detected	<i>Candida krusei</i>		
Not Detected	<i>Candida parapsilosis</i>		
Not Detected	<i>Candida tropicalis</i>		
Not Detected	Enterobacteriaceae		
Not Detected	<i>Enterobacter cloacae</i> complex		
Not Detected	<i>Enterococcus</i>		
Not Detected	<i>Escherichia coli</i>		
Not Detected	<i>Haemophilus influenzae</i>		
Not Detected	<i>Klebsiella oxytoca</i>		
Not Detected	<i>Klebsiella pneumoniae</i>		
Not Detected	<i>Listeria monocytogenes</i>		
Not Detected	<i>Neisseria meningitidis</i>		
Not Detected	<i>Pseudomonas aeruginosa</i>		
Not Detected	<i>Proteus</i>		
Not Detected	<i>Serratia</i>		
✓ Detected	<i>Staphylococcus</i>		
Not Detected	<i>Staphylococcus aureus</i>		
Not Detected	<i>Streptococcus</i>		
Not Detected	<i>Streptococcus agalactiae</i>		
Not Detected	<i>Streptococcus pneumoniae</i>		
Not Detected	<i>Streptococcus pyogenes</i>		
Not Detected	Carbapenem resistance gene KPC		
✓ Detected	<i>Methicillin resistance gene mecA</i>		
Not Detected	Vancomycin resistance genes vanA/B		
Run Details			
Pouch:	BCID Panel v1.9	Protocol:	BC v2.1
Run Status:	Completed	Operator:	CamGun
Serial No.:	00210812	Instrument:	ITI FA "FA2017"
Lot No.:	107312		

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