

Table 1: Blood culture Identification (BCID) by PCR

Background: The FilmArray BCID Panel is a multiplexed qualitative PCR test, capable of simultaneous detection and identification of multiple bacteria, yeast and resistant markers directly from a positive blood culture.

Gram-Positive Bacteria	Gram-Negative Bacteria	Yeast
<i>Enterococcus species</i>	<i>Acinetobacter species</i>	<i>Candida albicans</i>
<i>Listeria monocytogenes</i>	Enterobacteriaceae(other)³	<i>Candida glabrata</i>
Staphylococcus(other)¹	<i>Enterobacter cloacae</i>	<i>Candida krusei</i>
<i>Staphylococcus aureus</i>	<i>Escherichia coli</i>	<i>Candida parapsilosis</i>
Streptococcus (other)²	<i>Klebsiella oxytoca</i>	<i>Candida tropicalis</i>
<i>Beta hemolytic strep. Group B</i>	<i>Klebsiella pneumonia⁴</i>	Antimicrobial resistance genes
<i>Streptococcus pneumoniae</i>	<i>Proteus species</i>	<i>mecA</i> – methicillin resistance
<i>Beta hemolytic strep. Group A</i>	<i>Serratia species</i>	<i>vanA/B</i> – vancomycin resistance
	<i>Haemophilus influenzae</i>	<i>KPC</i> – carbapenem resistance
	<i>Neisseria meningitidis</i>	
	<i>Pseudomonas aeruginosa</i>	

¹ **Staphylococcus (other)** indicates a positive result for *Coagulase Negative Staphylococcus*.

² **Streptococcus (other)** indicates positive results for *Streptococcus* species not Group A or B or *S. pneumoniae*

³ **Enterobacteriaceae (other)** indicates a positive result for *Enteric gram negative rod (Enterobacteriaceae)*, not *E. cloacae*, *E. coli*, *K. oxytoca*, *k. pneumonia*, *Proteus species* and *Serratia species*.

⁴ *K. pneumoniae* assay cross-reacts with *Enterobacter* and *Raoultella* species.

Gram negative antimicrobial resistance can occur via multiple mechanisms. The absence of KPC antimicrobial resistance gene assay does not indicate antimicrobial susceptibility.

Final susceptibilities will be available in 24-72 hours and should always be reviewed to determine whether therapy adjustments need to be made.