

Northwell Laboratories BCID Hybrid Testing Algorithm

Blood Culture Pos Gram-Stain:

Yeast

Gram-Pos Rods

Gram-Neg Rods/Cocci

Gram-Pos Cocci

GenMark Fungal Panel

GenMark Gram+ Panel

BioFire BCID2 Panel

Fungi
Candida albicans
Candida auris
Candida dubliniensis
Candida famata
Candida glabrata
Candida guilliermondii
Candida kefyr
Candida krusei
Candida lusitanae
Candida parapsilosis
Candida tropicalis
Cryptococcus gattii
Cryptococcus neoformans
Fusarium
Rhodotorula

Gram-positive organisms
Bacillus cereus group
Bacillus subtilis group
Corynebacterium
Cutibacterium acnes
Enterococcus
 Enterococcus faecalis
 Enterococcus faecium
Lactobacillus
Listeria
 Listeria monocytogenes
Micrococcus
Staphylococcus
 Staphylococcus aureus
 Staphylococcus epidermidis
 Staphylococcus lugdunensis
Streptococcus
 Streptococcus agalactiae (GBS)
 Streptococcus anginosus group
 Streptococcus pneumoniae
 Streptococcus pyogenes (GAS)
Resistance genes
mecA
mecC
vanA
vanB
Pan targets
Pan Gram-Negative
Pan Candida

Gram Positive Bacteria
Enterococcus faecalis
Enterococcus faecium
Staphylococcus spp.
 Staphylococcus aureus
 Staphylococcus epidermidis
 Staphylococcus lugdunensis
Streptococcus spp.
 Streptococcus agalactiae (Group B)
 Streptococcus pyogenes (Group A)
 Streptococcus pneumoniae
Listeria monocytogenes
Yeast
Candida albicans
Candida auris
Candida glabrata
Candida krusei
Candida parapsilosis
Candida tropicalis
Cryptococcus neoformans/gattii
Gram Negative Bacteria
Acinetobacter calcoaceticus-baumannii complex
Bacteroides fragilis
Haemophilus influenzae
Neisseria meningitidis (encapsulated)
Pseudomonas aeruginosa
Stenotrophomonas maltophilia
Enterobacteriales
 Enterobacter cloacae complex
 Escherichia coli
 Klebsiella aerogenes
 Klebsiella oxytoca
 Klebsiella pneumoniae group
 Proteus spp.
 Salmonella spp.
 Serratia marcescens
Antimicrobial Resistance Genes
CTX-M (ESBL)
KPC
NDM
IMP
OXA-48-like
VIM
mecA/C
mecA/C and MREJ (MRSA)
vanA/B

“Not Detected”
or
“Enterobacteriales”
target only

Gram-Positive organisms observed

Gram-Negative
organisms observed

GenMark Gram- Panel

Gram-negative organisms
Acinetobacter baumannii
Bacteroides fragilis
Citrobacter
Cronobacter sakazakii
Enterobacter (non-cloacae complex)
Enterobacter cloacae complex
Escherichia coli
Fusobacterium nucleatum
Fusobacterium necrophorum
Haemophilus influenzae
Klebsiella oxytoca
Klebsiella pneumoniae group
Morganella morganii
Neisseria meningitidis
Proteus
Proteus mirabilis
Pseudomonas aeruginosa
Salmonella
Serratia
Serratia marcescens
Stenotrophomonas maltophilia
Resistance genes
CTX-M (ESBL)
IMP
KPC
NDM
OXA (OXA-23 and OXA-48)
VIM
Pan targets
Pan Gram-Positive
Pan Candida