

NEW TEST TEST CHANGE

NOTIFICATION DATE: 06/30/2023

EFFECTIVE DATE: 07/05/2023

Blood Culture Identification Assay (BCID) Update

On the effective date, Northwell Health will update the testing algorithm for rapid blood culture identification to the following:

All positive blood cultures will have a molecular assay (BCID) performed directly from the bottle, which will detect the organisms in **Figure 1**.

If the molecular assay (BCID) test is negative, direct identification from the positive blood culture bottle will be attempted by matrix-assisted laser desorption/ionization-time of flight (MALDI-TOF).

All direct MALDI-TOF identifications will be confirmed by traditional culture methods.

Positive blood culture Gram stain results will continue to be called as critical results and subsequent BCID will be reported within 3 hours. Direct MALDI-TOF identification will follow BCID results as applicable.

<p>Gram-Positive Bacteria</p> <p><i>Enterococcus faecalis</i> <i>Enterococcus faecium</i> <i>Listeria monocytogenes</i> <i>Staphylococcus spp.</i></p> <ul style="list-style-type: none">○ <i>Staphylococcus aureus</i>○ <i>Staphylococcus epidermidis</i>○ <i>Staphylococcus lugdunensis</i> <p><i>Streptococcus spp.</i></p> <ul style="list-style-type: none">○ <i>Streptococcus agalactiae</i> (Group B)○ <i>Streptococcus pneumoniae</i>○ <i>Streptococcus pyogenes</i> (Group A)	<p>Gram-Negative Bacteria</p> <p><i>Acinetobacter calcoaceticus-baumannii complex</i> <i>Bacteroides fragilis</i> <i>Haemophilus influenzae</i> <i>Neisseria meningitidis</i> (encapsulated) <i>Pseudomonas aeruginosa</i> <i>Stenotrophomonas maltophilia</i> <i>Enterobacterales</i></p> <ul style="list-style-type: none">○ <i>Enterobacter cloacae complex</i>○ <i>Escherichia coli</i>○ <i>Klebsiella aerogenes</i>○ <i>Klebsiella oxytoca</i>○ <i>Klebsiella pneumoniae group</i>○ <i>Proteus spp.</i>	<p>Yeast</p> <p><i>Candida albicans</i> <i>Candida auris</i> <i>Candida glabrata</i> <i>Candida krusei</i> <i>Candida parapsilosis</i> <i>Candida tropicalis</i> <i>Cryptococcus neoformans/gattii</i></p>
		<p>Antimicrobial resistance genes</p> <p><i>mecA/C</i> <i>mecA/C and MREJ (MRSA)</i> <i>van A/B</i> KPC CTX-M IMP VIM NDM OXA-48-like</p>

Figure 1

Computer Interface Code: **PDM #6201045**

Test Order: **C BLD**

If you have any questions, please contact Client Services at (800) 472-5757.

