

		2024					
Facility Name:							
Sections highlighted in	n yellow should be completed	by the Facility listed above.					
susceptibility testing?  a. If No, where is your facility's  Affiliated medical center  Commercial referral laboration of the control of the	antimicrobial susceptibility testing r oratory n-affiliated reference laboratory	acterial antimicrobial					
	g and or confirmatory testing (if performe form susceptibility testing, indicate es listed below the table.  (2) Secondary  4	ed). The the methods used at the outside  Comments  7 = Gradient Dilution Strip (for example, E test, Liofilchem)					
*3. Does either primary or secondar following (check all that apply):  Drug Cefiderocol Ceftazidime-Avibactam Ceftolozane-Tazobactam Eravacycline Plazomicin Imipenem-Relebactam Meropenem-Vaborbactam Aztreonam-Avibactam Sulbactam-Durlobactam		sceptibility testing (AST) include the  Not Tested  □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □					
<ul> <li>in 2010</li> <li>b. Carbapenem breakpoints for</li> <li>c. Ertapenem breakpoints for</li> <li>d. Carbapenem breakpoints for</li> <li>e. Fluroquinolone breakpoints</li> </ul>	porin and monobactam (i.e. aztrec or <i>Enterobacterale</i> s <u>in</u> 2010	onam) breakpoints for <i>Enterobacterales</i> ⊠Yes □No  ⊠Yes □No  ⊠Yes □No  ⊠Yes □No					



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	<ul> <li>g. Aminoglycoside breakpoints for Enterobacterales in 2023</li> <li>h. Aminoglycoside breakpoints for Pseudomonas aeruginosa in 2023</li> <li>i. Piperacillin-tazobactam breakpoints for Pseudomonas aeruginosa in 2023</li> <li>j. Piperacillin-tazobactam breakpoints for Enterobacterales in 2022</li> </ul>			⊠Yes □Yes	□No □No ⊠No ⊠No	
*5.	aut 5a. 5b	bes the laboratory test bacterial isolates for presence comated testing instrument expert rules)  If Yes, indicate what is done if carbapenemase production Change susceptible carbapenem results to resistance Report carbapenem MIC results without an interposition No changes are made in the interpretation of carbar or infection control practices  If Yes, which test is routinely performed to detect can be not a not control practice of the Nucleic Acid Amplification Test (for example, PCR, Cepheid)  Modified Hodge Test  MCIM/CIM  If Yes, which of the following are routinely tested for each of the number of the numb	uction is de ant retation bapenems, arbapenema ING-Tes assay) ICarba N	tected: (check one) the test is used for epi ase: (check all that app at Carba-5 (or other lat  NP specify):BD Phoenix	⊠Ye: idemiolo oly) eral flov	s □No ogical
	app	oly) ⊠ Enterobacterales spp. ⊠ Pseudomonas aeru	ginosa	☑ Acinetobacter b	aumanr	nii
	ant ava	bes your facility use commercial or laboratory develorimic problems in the commercial or laboratory develorimic problems. It is a superior problems of the commercial problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems. It is a superior problems of the commercial problems of the commercial problems of the commercial problems. It is a superior problems of the commercial problems of the c	eam infection in the contract of the contract	ons? Examples of con apply)  ☑ BioFire FilmArr P ☐ GenMark ePlex GP ☐ Luminex Verige osiTyper)  da ☐T2Biosystems T2	nmercia ay BCID BCID-G ene BC-G 2Resista	Ily III IN ISN nce
*7.	mo I	a scenario where the <i>mecA</i> resistance marker and <i>Sta</i> blecular testing in a blood specimen, select the proce Our laboratory does not perform <i>mecA</i> testing usi question 7a.]  Culture based phenotypic antimicrobial susceptib skip question 7a.]  Culture based phenotypic antimicrobial susceptib results of the corresponding rapid molecular testin molecular testing result is added to the phenotypic Culture based phenotypic antimicrobial susceptib corresponding rapid molecular testing and/or interesting an	edure(s) you ng rapid mo ility testing i oility testing ng and/or th c test result ility testing i erpretation i	r facility conducts. (cholecular methods. [If close not performed. [If chois performed. A text in the interpretation of the second second context is performed. No text is added.	eck one necked, necked, ndicating rapid	e) skip g
	7a.	If both rapid molecular and culture based phenotype	oic antimicro	obial susceptibility tes	ting are	

performed for a blood specimen to detect drug resistance in Staphylococcus aureus, and



discordance is found between their results, how are results reported? (check one) ☐ Further testing is not pursued. Results are reported separately. ☐ Further testing is not pursued. The phenotypic result is overridden by the rapid molecular test result when an antimicrobial resistance marker is detected. I Further testing is performed to identify the reason for the discordance. Results are modified based on the further analysis. \*8. In a scenario where the  $bla_{CTX-M}$  (CTX-M) resistance marker and Escherichia coli are detected by rapid molecular testing in a blood specimen, select the procedure(s) your facility conducts. (check one)  $\square$  Our laboratory does not perform  $bla_{CTX-M}$  (CTX-M) testing using rapid molecular methods. [If checked, skip question 8a.] ☐ Culture based phenotypic antimicrobial susceptibility testing is not performed. [If checked, skip question 8a.] ☑ Culture based phenotypic antimicrobial susceptibility testing is performed. A text indicating results of the corresponding rapid molecular testing and/or the interpretation of the rapid molecular testing result is added to the phenotypic test result. ☐ Culture based phenotypic antimicrobial susceptibility testing is performed. No text indicating corresponding rapid molecular testing and/or interpretation is added. 8a. If both rapid molecular and culture based phenotypic antimicrobial susceptibility testing are performed for a blood specimen to detect drug resistance in Escherichia coli and discordance is found between their results, how are results reported? (check one) ☐ Further testing is not pursued. Results are reported separately. ☐ Further testing is not pursued. The phenotypic result is overridden by the rapid molecular test result when an antimicrobial resistance marker is detected. ☑ Further testing is performed to identify the reason for the discordance. Results are modified based on the further analysis. \*9. Where is yeast identification performed for specimens collected at your facility? (check one) ☐ On-site laboratory ☐ Affiliated medical center ☐ Commercial referral laboratory ☐ Other local/regional, non-affiliated reference laboratory ☐ Yeast identification not available (specifically, yeast identification is not performed onsite or at any affiliate/commercial/other laboratory) [If checked, skip questions 10-14] Answer questions 10-14 for the laboratory that performs yeast identification for your facility: \*10. Which of the following methods are used for yeast identification? (check all that apply) ☐ MALDI-TOF MS System (Vitek MS) ☐ MicroScan ☑ MALDI-TOF MS System (Bruker Biotyper) ☑ Non-automated Manual Kit (for example, API 20C, RapID, Germ Tube, PNA-FISH, etc.) □ DNA sequencing □ Vitek-2 ☐ BD Phoenix ☐ Other (specify): \_ \*11. Does the laboratory routinely use chromogenic agar for the identification or differentiation of Candida isolates? X Yes □ No □ Unknown



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*12. Candida isolated from which of the f (check all that apply)	ollowing body sites a	re usually fully identified to the species level?				
© Blood		⊠ Respiratory				
☑ Other normally sterile body site (1	for example, CSF)	Other (specify):				
⊠ Urine						
☐ None are fully identified to the spe	ecies level					
*13. Does the laboratory employ any PCF	R molecular tests to ic No are used to identify (	□ Unknown Candida from blood specimens? (check				
	(4507)					
*14. Where is antitungal susceptibility tes (check one)	ting (AFST) performe	d for specimens collected at your facility?				
· · · · ·	☐ Other local/region	al, non-affiliated reference laboratory				
•	$\square$ AFST not available	(specifically, AFST is not performed onsite or mercial/other laboratory) [if selected, skip				
Answer questions 15-19 for the laboratory that performs AFST for your facility:						
*15. What methods are used for antifungal susceptibility testing (AFST), <b>excluding Amphotericin B?</b> (check						
all that apply)						
☐ Broth microdilution with laborat ☒ YeastOne (Thermo Scientific™ S ☐ Other (specify):	Sensititre™) □ G	radient diffusion (E test) 🗆 Vitek (bioMerieux nknown				
*16. What methods are used for antifung	al susceptibility testin	ng (AFST) of <b>Amphotericin B?</b> (check all that				
apply)	, , , , , , , , , , , , , , , , , , , ,	3( · , , , , , , , , , , , , , , , , , ,				
☐ Broth microdilution with laborat						
☑ YeastOne (Thermo Scientific™ S ☐ Other (specify):		radient diffusion (E test) 🗆 Vitek (bioMerieux nknown				
*17. AFST is performed for which of the fo	ollowing antifungal d	rugs? (check all that apply)				
☑ Fluconazole	⊠ Voriconazole	• • • • • • • • • • • • • • • • • • • •				
☐ Posaconazole	⊠ Micafungin	☑ Anidulafungin				
☑ Caspofungin	☐ Amphoterici	n B ☐ Flucytosine				
□ Other, specify:	Unknown					



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*18. AFST is performed on fungal isolates in which of	the following sit Performed automatically	uations? (check Performed with a clinician's order	only one box Not performed	( per row) Unknown			
Blood Other normally sterile body site (for example, CSF) Urine Respiratory Other (specify):		□ □ ⊠ ⊠ □					
*19. Is this laboratory developing antibiograms or oth spp. isolates tested in this laboratory?  ☐ Yes ☑ No	her reports to tra		y trends for Ca	andida			
*20. What is the primary testing method for <i>C. difficile</i> used most often by your facility's laboratory or the outside laboratory where your facility's testing is performed? (check one)  □ Enzyme immunoassay (EIA) for toxin  □ Cell cytotoxicity neutralization assay  □ Nucleic acid amplification test (NAAT) (for example, PCR, LAMP)  図 NAAT plus EIA, if NAAT positive (2-step algorithm)  □ Glutamate dehydrogenase (GDH) antigen plus EIA for toxin (2-step algorithm)  □ GDH plus NAAT (2-step algorithm)  □ GDH plus EIA for toxin, followed by NAAT for discrepant results  □ Toxigenic culture ( <i>C. difficile</i> culture followed by detection of toxins)  □ Other (specify):							
*21. Which of the following methods serve as the prinat your facility? (check one)  □ MALDI-TOF MS System (Vitek MS)  ☑ MALDI-TOF MS System (Bruker Biotyper)  □ Automated Instrument (for example, Vitek,  □ Non-automated Manual Kit (for example, A  □ Rapid Identification (for example, NAAT/PC)  □ 16S rRNA Sequencing  □ Other (specify):  □ None	MicroScan, Phoe Pl 20C, biochem	enix, etc.) icals)	identification				
*22. Which of the following methods serve as the sectidentification at your facility? (for example, a sectidentification, or if the primary method is unavailed MALDI-TOF MS System (Vitek MS) MALDI-TOF MS System (Bruker Biotyper) Matter Manual Manu	ondary method i lable). (check on MicroScan, Phoe Pl 20C, biochem	f the primary me) enix, etc.) icals)		give an			