

LSU Health Sciences Center-Shreveport La.
CLINICAL MICROBIOLOGY
CRITICAL VALUES

TEST	CRITICAL CRITERION	ACTION
SMEAR RESULTS	<ul style="list-style-type: none"> • Positive Gram stains from tissue (heart, brain, aorta, vena cava, ventricles, etc) • Positive Gram stains from blood culture, sterile fluids (CSF, joint fluid, etc) • Positive AFB on initial smear/culture on different sites • Hyphal elements seen on smear from sinus specimens of tissues • Specimens collected in OR and sent for STAT processing. Positive and negative smear results are called. 	<p>Notification of Physician/Designee</p>
DIRECT TESTING AND CULTURE RESULTS	<ul style="list-style-type: none"> • Positive culture results from tissue (heart, brain, aorta, vena cava, ventricles, etc) • Positive culture results of sterile fluids (CSF, joint fluid, etc) • Positive Cryptococcal Antigens • Positive C. Difficile toxin results • Positive Shiga toxin results • Pseudomonas aeruginosa isolated from eye or ear cultures • Fungus isolated from the eye • Neisserie gonorrhoeae or Bacillus species isolated form eye cultures • Isolation of Burkholderia cepacia (presumptive) from patient having cystic fibrosis • Neisseria meningitides isolated from blood or CSF 	<p>Notification of Physician/Designee</p>

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<p>CRITICAL VALUESDIRECT TESTING AND CULTURE RESULTS</p>	<ul style="list-style-type: none"> • All level 3 and bioterrorism organisms such as Brucella, F. tularensis, Y. pestis, B. anthracis, Burkholderia mallei, and Burkholderia pseudomallei • Neisseria gonorrhoeae isolated from children age 15 and under • Enteric pathogens – Salmonella, Shigella, Yersinia, Campylobacter, Aeromonas, Plesiomonas • Dimorphic fungi (Histoplasma, Blastomyces, Coccidioides, Sporothrix) or any molds from initial specimens • Hyphal elements on culture from sinus specimens or tissues • All Louisiana Reportable Disease isolates, such as STD, enteric pathogens etc. Refer to Louisiana Reportable Diseases List • MRSA initial isolation results on weekend and holidays • VRE (vancomycin resistant Enterococcus) culture results • VISA – vancomycin intermediate or resistant Staphylococcus aureus culture results • ESBL and multidrug resistant Gram negative rods (KPC, Amp C after confirmation, any bacteria that show resistance to 3 classes or more of antibiotics) isolated on culture 	<p>Notification of Physician/Designee</p>