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## Critical Alerts Values for Communication to Clinicians

- Critical alert values are laboratory results that indicate an urgent action to be taken.
- Alert the clinician to the critical alert value. Record the details of the communication to the clinician. **Also place on MCONS or MCOVR queue for any viral targets for attention of Microbiology team if not fully finished.**

Sample Type/Organism	Results for Reporting
HVS	<ul style="list-style-type: none"> <li>• <i>Neisseria gonorrhoeae</i></li> <li>• <i>Streptococcus agalactiae</i> (<i>Haem strep Group B</i>) from any pregnant female or isolated in neonates from any site</li> </ul>
Blood Cultures	<ul style="list-style-type: none"> <li>• All organisms seen on Gram</li> <li>• All significant organisms isolated</li> </ul>
CSF	<ul style="list-style-type: none"> <li>• All Positive microscopy ie with result of Count, Gram and Differential.</li> </ul>
Fluid Culture	<ul style="list-style-type: none"> <li>• All Positive Gram Stains on sterile fluids and growth</li> </ul>
Throat Culture	<ul style="list-style-type: none"> <li>• <i>C. diphtheriae</i></li> <li>• <i>N. meningitidis</i></li> <li>• <i>N. gonorrhoea</i></li> </ul>
Tissue Culture	<ul style="list-style-type: none"> <li>• All positive gram stains and growth once identified</li> </ul>
Wound Culture	<ul style="list-style-type: none"> <li>• Gp A Streptococci</li> </ul>
Central line tips	<ul style="list-style-type: none"> <li>• &gt;15 CFUs of Yeasts, <i>Staph aureus</i>, MRSA or Gram negative bacilli.</li> </ul>
Group A streptococci	<ul style="list-style-type: none"> <li>• From all sites excluding throats on out patients i.e HVS, wounds, etc.</li> <li>• From all sites <b>including</b> throats on in patients.</li> </ul>
<i>Streptococcus agalactiae</i> (Haem strep Group B)	<ul style="list-style-type: none"> <li>• From ANY pregnant female or isolated in neonate from ANY site</li> </ul>
Therapeutic Drug Monitoring	<ul style="list-style-type: none"> <li>• All abnormally high results eg Gentamycin or Vancomycin trough levels</li> </ul>
Urine for antigen screening	<ul style="list-style-type: none"> <li>• All positive results for Legionella urinary antigen</li> </ul>
CPE Positive	<ul style="list-style-type: none"> <li>• All positive screens, can be provisional based on lateral flow test in house whilst awaiting confirmation from CPE reference laboratory</li> </ul>
Influenza A/ Influenza B and COVID-19	<ul style="list-style-type: none"> <li>• All results of 'Detected'</li> </ul>

Any other clinically significant results to be reported as deemed necessary by the Consultant Microbiologist

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