

Appendix 4 - Antibiotic Predictability Charts for Blood Culture Isolates (LTR63102)

Edit Approved By: Verity, Bob (07/20/2022)

Revision: 2.10

Bacterial Morphology	Probable Organism	Usually susceptible	Usually resistant
Gram ⊕ cocci clumps	<i>S. aureus</i> <i>S. epidermidis</i>	Cloxacillin 1 st generation cephalosporins Cefuroxime Piperacillin/tazobactam Vancomycin	Aminoglycosides Ciprofloxacin Gatifloxacin Levofloxacin Moxifloxacin
Gram ⊕ cocci pairs/chains	<i>Streptococcus pneumoniae</i>	Ampicillin/Amoxicillin/Penicillin 1 st /2 nd /3 rd generation cephalosporins Gatifloxacin Levofloxacin Moxifloxacin Piperacillin/tazobactam Vancomycin	Aminoglycosides Ciprofloxacin
	<i>Enterococcus</i> spp.	Ampicillin/ Penicillin Piperacillin/tazobactam Vancomycin	Aminoglycosides Cephalosporins Ciprofloxacin Clindamycin Gatifloxacin Levofloxacin Moxifloxacin TMP/SMX
Gram (-) bacilli	Enterobacteriaceae	Aminoglycosides 1 st /2 nd /3 rd generation cephalosporins Ciprofloxacin Gatifloxacin Imipenem Levofloxacin Moxifloxacin Piperacillin/tazobactam	Ampicillin (alone) Clindamycin Erythromycin Vancomycin
	<i>Pseudomonas</i> spp.	Aminoglycosides Ceftazidime Ciprofloxacin Imipenem Meropenem Piperacillin/tazobactam	Ceftriaxone Cefotaxime Gatifloxacin Levofloxacin Moxifloxacin TMP-SMX

Bacterial Morphology	Probable Organism	Usually susceptible	Usually resistant
Gram (-) coccobacilli	Haemophilus spp.	Cefuroxime 3 rd generation cephalosporins Ciprofloxacin Gatifloxacin Levofloxacin Moxifloxacin Piperacillin/tazobactam TMP/SMX	Aminoglycoside 1 st generation cephalosporins Clindamycin Vancomycin
Gram (-) diplococci	Neisseria spp.	Ceftriaxone/ Cefotaxime Penicillin Piperacillin/tazobactam	Aminoglycosides Clindamycin Vancomycin
Gram (-) bacilli pleomorphic (anaerobic)	Bacteroides spp.	Clindamycin Imipenem Metronidazole Piperacillin/tazobactam	Aminoglycosides Ciprofloxacin Levofloxacin Penicillin Vancomycin
Gram ⊕ bacilli box car or with spores (anaerobic)	Clostridium spp.	Clindamycin Imipenem Metronidazole Penicillin Piperacillin/tazobactam	Aminoglycosides Ciprofloxacin Levofloxacin

Printed distribution: Blood culture bench (1)
Smear bench (1)