

Antibiotic Compatibility in Initial Management of Severe Infections & Sepsis

IMPORTANT: Delays in antibiotic administration increases mortality in the treatment of sepsis

Sepsis Antibiotic Treatment Goals:

- Begin as soon as possible after cultures drawn (i.e. Blood x 2 and Urine)
- Start broad spectrum antibiotic FIRST unless directed otherwise or if dispensing delay
- Recommend concurrent Y-site administration if compatible

Broad Spectrum Antibiotic (Start antibiotic in this column FIRST!)	Antibiotic	Y-site Compatibility
Ampicillin-sulbactam	Gentamicin or Tobramycin	NO
Cefepime	Doxycycline	NO
	Metronidazole	YES
	Vancomycin	YES
Ceftriaxone <i>(Compatible with NS, not compatible with LR)</i>	Azithromycin	NO
	Doxycycline	YES
	Gentamicin	YES
	Metronidazole	YES
	Tobramycin	NO
	Vancomycin	NO
Levofloxacin	Clindamycin	YES
	Metronidazole	YES
	Vancomycin	YES
Meropenem	Vancomycin	YES
Piperacillin-tazobactam <i>(Compatible with NS, most products not compatible with LR)</i>	Clindamycin	YES
	Doxycycline	NO
	Vancomycin	YES* <i>(concentration dependent)</i>

*Note: piperacillin-tazobactam (Zosyn®) and vancomycin are compatible via y-site based on SHC standard concentrations.