

Sepsis Antibiotic Administration

[For More Information](#)

Why it Matters

Surviving Sepsis Campaign Guidelines recommend initiating empiric antibiotics within **1 hour** from identification of sepsis. Initiation of the broadest range of antibacterial activity first is imperative due to increasingly poor outcomes associated with delays in appropriate therapy.

Recommended Order of Administration for Antibiotics Commonly Used in Sepsis

If compatible multiple antibiotics can be administered concurrently. When incompatible or compatibility unknown administer those toward the top the chart first in order to administer broader spectrum agents first.

Surviving Sepsis Guidelines available at: www.survivingsepsis.org

Antimicrobial Stewardship Site Leads

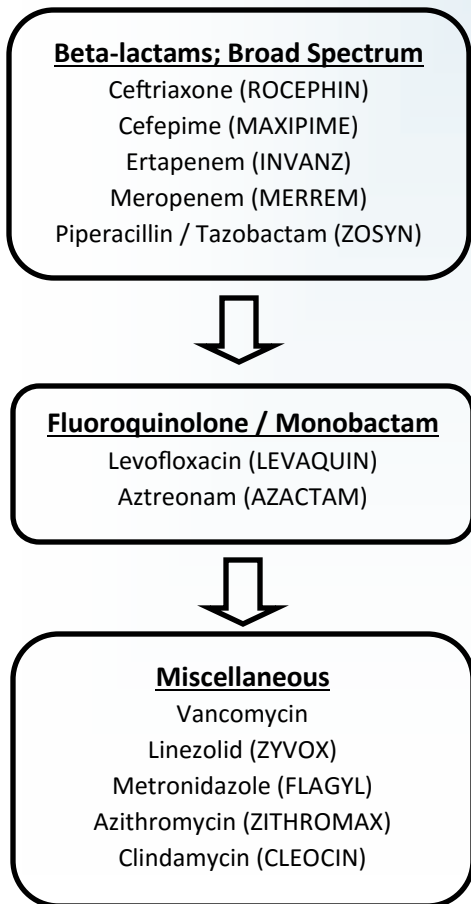
AMC: Matthew Bauer, DO and Zach Jenkins PharmD

GSH: Grant Starrett, MD and Jon Bachna PharmD

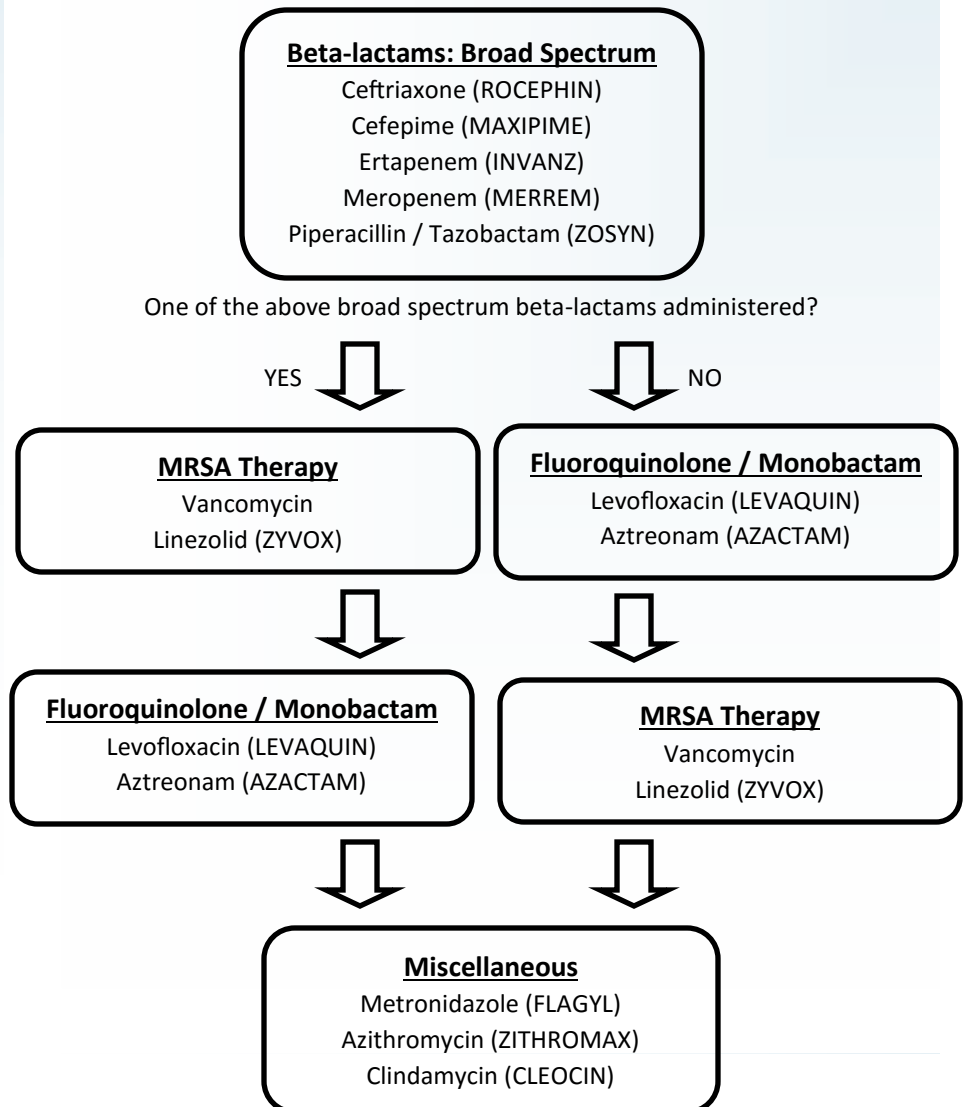
MVH: Steve Burdette, MD and Craig Pleiman PharmD

UVMC: Ron Manis, MD and Mike Barhorst PharmD

When Administering 2 Antibiotics



When Administering ≥3 Antibiotics



Y-Site Compatibility of Commonly Used Antimicrobials

	<i>Ceftriaxone</i>	<i>Cefepime</i>	<i>Ertapenem</i>	<i>Meropenem</i>	<i>Piperacillin/ Tazobactam</i>	<i>Aztreonam</i>	<i>Levofloxacin</i>	<i>Vancomycin</i>	<i>Linezolid</i>	<i>Metronidazole</i>	<i>Azithromycin</i>	<i>Clindamycin</i>
Ceftriaxone							C	I	C	C	I	I
Cefepime							C	C	C	C	C	C
Ertapenem							I	C	C	C	C	I
Meropenem							I	C	C	C	C	I
Piperacillin/ Tazobactam							I	C	C	C	I	C
Aztreonam							C	C	C	I	I	C
Levofloxacin	C	C	I	I	I	C		C	C	C		C
Vancomycin	I	C	C	C	C	C	C			C	C	C
Linezolid	C	C	C	C	C	C	C			C	C	C
Metronidazole	C	C	C	C	C	I	C	C	C		C	C
Azithromycin	I	C	C	C	I	I		C	C	C		I
Clindamycin	I	C	I	I	C	C	C	C	C	C	I	

C = compatible at standard concentrations

I = incompatible or insufficient information

Gray boxes = medications not routinely administered together

- Note: This table is not meant to be all inclusive and is reflective of standard concentrations and diluents used at Premier Health. Contact pharmacy if clarification necessary.