



COMMON ANTIBIOTICS FOR EMPIRIC BROAD-SPECTRUM COVERAGE IN SEPSIS

DRUGS WITH BROAD-SPECTRUM GRAM-NEGATIVE COVERAGE INCLUDING PSEUDOMONAS

DRUG	STD DOSE FOR SEPSIS	CONTENT EXAMPLES	RENAL ADJUSTMENTS
Piperacillin/tazobactam	4.5g IV q6h	- Initial dose: 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <40 mL/min
Ceftazidime	2g IV q8h	- Initial dose: IV push over 3–5 minutes or by intermittent infusion over 15 to 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <50 mL/min
Cefepime	2g IV q8h	- Initial dose: can be administered IV push over 3–5 minutes or by intermittent infusion over 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <60 mL/min
Imipenem/cilastatin	1g IV q6h	- Doses <500 mg should be infused over 20–30 minutes - doses >500 mg should be infused over 40–60 minutes	CrCl <60 mL/min
Meropenem	1–2g IV q8h	- Initial dose: doses up to 1g can be administered IV push over 3–5 minutes, or by intermittent t infusion over 30 minutes - Subsequent doses: 30 minutes to 3 hours	CrCl <50 mL/min
Ciprofloxacin	400 mg IV q8h	Infuse over 60 minutes	CrCl <50 mL/min
Levofloxacin	750 mg IV q24h	- Doses ≤500 mg infuse over 60 minutes, 7 50 mg infuse over 90 minutes. - Rapid infusion can lead to hypotension	CrCl <50 mL/min

DRUGS WITH BROAD-SPECTRUM GRAM-POSITIVE COVERAGE INCLUDING MRSA

DRUG	STD DOSE FOR SEPSIS	CONTENT EXAMPLES	RENAL ADJUSTMENTS
Vancomycin	15 to 20 mg/kg IV q8–12h	- Initial dose: 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <40 mL/min
Linezolid	600 mg IV/PO q12h	- Initial dose: IV push over 3–5 minutes or by intermittent infusion over 15 to 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <50 mL/min
Daptomycin (not for use in sepsis with pulmonary source)	6 to 8 mg/kg IV q24h	- Initial dose: can be administered IV push over 3–5 minutes or by intermittent infusion over 30 minutes - Subsequent doses: 30 minutes to 4 hours	CrCl <60 mL/min
Ceftaroline	600 mg IV q12h	- Doses <500 mg should be infused over 20–30 minutes - doses >500 mg should be infused over 40–60 minutes	CrCl <60 mL/min

ANTIFUNGAL AGENTS

DRUG	STD DOSE FOR SEPSIS	CONTENT EXAMPLES	RENAL ADJUSTMENTS
Micafungin	100 mg IV q24h	Infuse over 60 minutes, <i>more rapid infusions may result in more frequent histamine-mediated reactions</i>	No
Caspofungin	70 mg IV loading dose on day 1, then 50 mg daily thereafter	Infuse over 60 minutes, <i>more rapid infusions may result in more frequent histamine-mediated reactions</i>	No