

ADULT DOSING AND REDOSING GUIDELINES FOR PROPHYLACTIC ANTIMICROBIALS DURING SURGERY^s

ANTIMICROBIAL	PRE-OPERATIVE DOSE Pre-operative dose does not require adjustment for renal dysfunction	INTRAOPERATIVE RE-DOSING* Omit second re-dose in those with CrCL <50 mL/min or on hemodialysis	IV PUSH	INFUSION
Ampicillin	2 g	2 g every 2 hours for 2 re-doses	3-5 min ^a	30 min ^b
Ampicillin/sulbactam	3 g	3 g every 2 hours for 2 re-doses	3-5 min ^a	30 min ^b
Aztreonam	2 g	2 g every 4 hours for 2 re-doses	3-5 min ^a	30 min ^b
Cefazolin	2 g if <120kg, 3g if ≥120 kg	2 g (3g if ≥120 kg) every 4 hours for 2 re-doses	3-5 min ^a	30 min ^b
Cefuroxime	1.5 g	1.5 g every 4 hours for 2 re-doses	3-5 min ^a	30 min ^b
Cefoxitin	2 g	2 g every 2 hours for 2 re-doses	3-5 min ^a	30 min ^b
Cefepime	2 g	2 g every 4 hours for 2 re-doses	3-5 min ^a	30 min ^b
Clindamycin	900 mg	900 mg every 6 hours for 2 re-doses	Not Recommended	30 min ^b
Daptomycin	6 mg/kg ^d	Not Recommended	2 min	30 min ^b
Piperacillin/tazobactam	4.5 gm	4.5 g every 2 hours for 2 re-doses	Not Recommended	30 min ^b
Metronidazole	500 mg	Not Recommended	Not Recommended	30 min ^b
Ceftriaxone	2 g	Not Recommended	3-5 min ^a	30 min ^b
Gentamicin	2 mg/kg ^c	2 mg/kg ^c every 8 hours for 2 doses	Not Recommended	30 min - 60 min
Vancomycin	1 g if <80kg, 1.5 g if ≥80 kg	1 g (1.5 g if ≥80 kg) every 8 hours for 2 doses	Not Recommended	60 – 120 min
Levofloxacin	500 mg	Not Recommended	Not Recommended	60 min ^b
Ciprofloxacin	400 mg	Not Recommended	Not Recommended	60 min ^b
Fluconazole	400 mg	Not Recommended	Not Recommended	120 min ^b

^sAdapted from *Clinical Infectious Diseases* 2004;38:1706-15 and *Am J Health-Syst Pharm* 2013;70.

^aReconstituted dose injected directly into vein or via running IV fluids (only if IV piggyback not available).

^bIntermittent IV infusion.

^cConsider dosing gentamicin based on ideal body weight if patient is obese. Max dose 300mg.

^dDaptomycin should be dosed on actual body weight except in patients with BMI ≥ 35 kg/m², in which case adjusted body weight should be used.