

Sodium Content of Select Antibiotics

Antibiotic ¹	Typical Adult IV Dose ²	Sodium Content in mg (mEq) ³		
		Drug Per Dose	Drug + Diluent Per Dose	Drug + Diluent Per Day
acyclovir ⁴	10 mg/kg Q8h	69 (3)	423 (18)	1,269 (54)
ampicillin	2 gm Q4h	132 (6)	486 (21)	2,915 (127)
ampicillin-sulbactam	3 gm Q6h	230 (10)	584 (25)	2,336 (102)
ampicillin-sulbactam (CRAB) (250 ml)	9 gm Q8h	690 (30)	1,575 (68)	4,725 (204)
cefazolin	1 gm Q8h	48 (2)	402 (18)	1,206 (52)
	2 gm Q8h	96 (4)	450 (20)	1,350 (59)
ceftriaxone	1 gm Q24h	83 (4)	437 (19)	437 (19)
	2 gm Q12h	166 (7)	520 (23)	1,040 (45)
cefepime	1 gm Q6h	0 (0)	354 (15)	1,416 (60)
	2 gm Q8h	0 (0)	354 (15)	1,062 (45)
ciprofloxacin ⁵	400 mg Q12h	0 (0)	0 (0)	0 (0)
daptomycin ^{4,6}	8 mg/kg Q24h	0 (0)	354 (15)	354 (15)
ertapenem	1 gm Q24h	46 (2)	400 (17)	400 (17)
fluconazole (in 200ml)	400 mg Q24h	708 (31)	708 (31)	708 (31)
gentamicin ⁴	7 mg/kg Q24h	Trace	354 (15)	354 (15)
	1 mg/kg Q8h	Trace	354 (15)	1,062 (46)
linezolid (in 300ml)	600 mg Q12h	114 (5)	114 (5)	228 (10)
meropenem	500 mg Q6h	45 (2)	404 (18)	1,616 (70)
	1 gm Q8h	90 (4)	444 (19)	1,333 (58)
metronidazole	500 mg q8h	Trace	310 (13.5)	930 (40)
micafungin	100 mg Q24h	2 (<1)	356 (15)	356 (15)
moxifloxacin ⁷	400 mg Q24h	787 (34)	787 (34)	787 (34)
nafcillin	2 gm Q4h	153 (7)	507 (22)	3,042 (132)
penicillin G potassium	4 MU Q4h	27 (1)	381 (17)	2,287 (100)
piperacillin-tazobactam	3.375 mg Q8h	216 (9)	570 (24)	1,710 (71)
sulfamethoxazole-trimethoprim ^{4,5}	5mg/kg (based on TMP) Q8h	Trace	Trace	Trace
vancomycin (in 250ml) ⁶	15mg/kg (1000mg) Q12h	Trace	885 (38)	1,770 (77)

¹assumes 100 mL of 0.9% NaCl as diluent per dose (except where otherwise noted) containing 354 mg (15.4 mEq) of sodium

² based on adult patients with invasive infection and estimated creatinine clearance ≥ 80mL/min as listed on CustomID

³rounded to nearest whole number

⁴based on 70kg adult

⁵mixed in D5W

⁶rounded to nearest 250mg

⁷pre-mixed 200 ml of 0.8% NaCl bag

***1 tsp salt = 6g NaCl = 2,400 mg sodium (104 mEq)**

Prepared by Joseph Arminger (Campbell PharmD Candidate 2017) and James Henderson, PharmD

Reviewed by Rebekah Wrenn, PharmD BCPS and Richard Drew, PharmD MS FCCP

PMMC Approval: October 2, 2017; Reviewed January 2020; Updated May 2022; Reviewed September 2024