

Table 7.1 Preparation and recommended dosing regimens for antibiotics

Agents	Supply source (brand/generic)	Dosage form (unit cost, HK\$)	Usual adult regimen (daily dose, route, dosing interval) ¹
Amikacin (163) (Amikin)	Brand	250 mg vial (\$41.6)	I.V. 15 mg/kg (750 mg) ² q24h or 7.5 mg/kg q12h (max 1.5 g/day)
		500 mg vial (\$60.6)	
Amoxicillin	Generic	250 mg cap. (\$0.11) 125 mg/5 mL syr. (\$0.18/mL)	P.O. 500 mg t.d.s.
Amoxicillin- clavulanate (Augmentin)	Brand / Generic	600 mg vial (\$14.5)	I.V. 1.2 g q8h
		1.2 g vial (\$8.07)	
		375 mg tab. (\$0.88)	P.O. 375 mg t.d.s.
		1 g tab. (\$ 1.31)	P.O. 1 g b.d.
		156 mg/5 mL syr. (\$0.11/mL)	P.O. 312 mg (10 mL) t.d.s. (syr.)
Ampicillin	Generic	457 mg/5 mL syr. (\$0.36/mL)	P.O. 914 mg (10 mL) b.d. (syr.)
		500 mg vial (\$2.22)	I.V. 1 g q6h
		250 mg cap. (\$0.28) 500 mg cap. (\$0.48) 125 mg/5 mL syr. (\$0.44/mL)	P.O. 250–500 mg q.i.d.
Ampicillin- sulbactam (Unasyn)	Brand / Generic	750 mg vial (\$8.20)	I.V. 1.5–3 g q6h (max 12 g/day)
		375 mg tab. (\$6.92)	P.O. 375–750 mg b.d.
		250 mg/5 mL syr. (\$1.55/mL)	
Azithromycin (Zithromax)	Brand / Generic	500 mg vial (\$109)	I.V. 500 mg q24h
		250 mg tab. (\$1.78)	P.O. 500 mg on first day then 250 mg once daily
		250 mg cap. (\$13.1)	
		200 mg/5 mL syr. (\$1.39/mL)	
Cefazolin	Generic	1 g vial (\$2.74)	I.V. 1 g q8h
Cefepime (Maxipime)	Brand	1 g vial (\$40.2)	I.V. 1–2 g q12h (max 6 g/day)
		2 g vial (\$204)	
Cefoperazone- sulbactam (Sulperazon)	Generic	1 g vial (\$5.60)	I.V. 1–2 g q12h (max 8 g/day)

Agents	Supply source (brand/generic)	Dosage form (unit cost, HK\$)	Usual adult regimen (daily dose, route, dosing interval) ¹
Ceftazidime (Fortum)	Brand / Generic	500 mg vial (\$10.0) 1 g vial (\$12.1) 2 g vial (\$209)	I.V. 1–2 g q8h (max 6 g/day)
Cefotaxime (Claforan)	Generic	1 g vial (\$3.99)	I.V. 1 g q6–8h (max 12 g/day)
Ceftaroline (Zinforo)	Brand	600 mg vial (\$344)	I.V. 600 mg q12h
Ceftriaxone (Rocephin)	Brand / Generic	250 mg vial for I.M. injection (\$80.8) 1 g vial for I.M. or I.V. injection (\$4.85)	I.M. 250 mg once I.M./I.V. 1–2 g/day q12–24h (max 4 g/day)
Cefuroxime (Zinacef)	Brand / Generic	250 mg vial (\$14.0) 750 mg vial (\$2.94)	I.V. 750 mg–1.5 g q8h (max 6 g/day)
Cefuroxime-axetil (Zinnat)	Brand / Generic	125 mg tab. (\$4.01) 250 mg tab. (\$0.77) 125 mg/5 mL suspension (\$1.24/mL)	P.O. 250–500 mg b.d.
Cephalexin	Generic	250 mg cap. (\$0.39)	P.O. 250–500 mg q.i.d.
Ciprofloxacin (Ciproxin)	Brand / Generic	200 mg vial (\$60.4) 400 mg vial (\$677) 250 mg tab. (\$0.41)	I.V. 200–400 mg q12h P.O. 500–750 mg b.d.
Clarithromycin (Klacid)	Brand / Generic	500 mg vial (\$118) 250 mg tab. (\$0.99) 500 mg tab. (\$1.81) 500 mg modified release tab. (\$28.4) 125 mg/5 mL suspension (\$0.52/mL)	I.V. 500 mg q12h P.O. 250–500 mg b.d.
Clindamycin (Dalacin C)	Brand / Generic	300 mg vial (\$9.51) 300 mg ampoule (\$9.26) 150 mg cap. (\$3.15)	I.V. 600–900 mg q8h (max 4.8 g/day) P.O. 150–450 mg q.i.d.
Cloxacillin	Generic	500 mg vial (\$4.14) 250 mg cap. (\$0.32) 500 mg cap. (\$0.39)	I.V. 500 mg–1 g q6h (max 8 g/day) P.O. 500 mg q.i.d.
Colistin (Colomycin)	Brand	1 million unit vial (\$153)	I.V. 1–2 million unit q8h (max 6 million unit/day)

Agents	Supply source (brand/generic)	Dosage form (unit cost, HK\$)	Usual adult regimen (daily dose, route, dosing interval) ¹
Daptomycin (Cubicin)	Brand	500 mg vial (\$1,389)	I.V. 4 mg/kg (complicated skin and skin structure infections) or 6 mg/kg (<i>S. aureus</i> bloodstream infection) q24h
Doxycycline (Vibramycin)	Brand	100 mg tab. (\$1.33)	P.O. 100 mg b.d.
Ertapenem (Invanz)	Brand	1 g vial (\$230)	I.V. 1 g q24h
Erythromycin (Erythrocin)	Generic	500 mg vial (\$583)	I.V. 500 mg q6h (max 4 g/day)
		250 mg tab. (\$0.86)	P.O. (tab.) 250–500 mg q.i.d.
		200 mg/5 mL suspension (\$0.21/mL)	P.O. (suspension) 400–800 mg q.i.d.
Flucloxacillin	Generic	125 mg/5 mL solution (\$0.14/mL)	P.O. 250–500 mg q.i.d.
Fosfomycin	Fosfocina ³	4 g vial (\$478)	I.V. 8–12 g/day (100–200 mg/kg/day)
	Monurol	3 g sachet (not in HA formulary) (\$30.3)	P.O. 3 g sachet for 1 dose for uncomplicated urinary tract infection
Gentamicin (163)	Generic	80 mg ampoule (\$3.72)	I.V. 3.5 mg/kg (180 mg) ² q24h or 1.2 mg/kg q8h
Imipenem-cilastatin (Tienam)	Brand	500 mg vial (\$32.2)	I.V. 500 mg q6h (max 4 g/day)
Levofloxacin (Cravit)	Generic	500 mg infusion bottle (\$58.4)	I.V. 500 mg q24h
		100 mg tab. (\$0.89)	P.O. 500 mg once daily
		250 mg tab. (\$0.66)	
Linezolid (Zyvox)	Brand	600 mg infusion bag (\$480)	I.V. 600 mg q12h
		600 mg tab. (\$455)	P.O. 600 mg b.d.
		100 mg/5 mL suspension (\$15.1/mL)	
Meropenem (Meronem)	Generic	500 mg vial (\$19.5)	I.V. 1 g q8h
		1g vial (\$32.8)	

Agents	Supply source (brand/generic)	Dosage form (unit cost, HK\$)	Usual adult regimen (daily dose, route, dosing interval) ¹
Metronidazole (Flagyl)	Generic	500 mg vial (\$4.53) 200 mg tab. (\$0.12) 200 mg/5 mL syr. (\$1.36/mL)	I.V. 500 mg q8h P.O. 400 mg t.d.s.
Minocycline	Generic	100 mg vial (\$86.3) 100 mg cap. (\$5.21) 50 mg cap. (\$1.98)	I.V. 200 mg loading then 100 mg q12h P.O. 200 mg loading then 100 mg b.d.
Moxifloxacin (Avelox)	Brand	400 mg infusion bottle (\$312) 400 mg tab. (\$34.4)	I.V. 400 mg q24h P.O. 400 mg once daily
Penicillin G	Generic	1 million unit vial (\$6.56)	I.V. 1–2 million unit q4–6h (max 24 million unit/day)
Piperacillin	Generic	4 g vial (\$24.7)	I.V. 4 g q6–8h
Piperacillin-tazobactam (Tazocin)	Generic	4.5 g vial (\$18.9)	I.V. 4.5 g q6–8h
Teicoplanin (Targocid)	Brand	200 mg vial (\$473)	I.V. 6 mg/kg (400 mg) on first day, followed by 3 mg/kg (200 mg) q24h
Ticarcillin-clavulanate (Timentin)	Generic	3.2 g vial (\$45.7)	I.V. 3.2 g q4–6h (max 19.2 g/day)
Tigecycline (Tygacil)	Brand	50 mg vial (\$476)	I.V. 100 mg loading then 50 mg q12h
Tobramycin (163)	Generic	80 mg vial (\$76.7)	I.V. 3.5 mg/kg (180 mg) ² q24h or 1.2 mg/kg q8h (max 5 mg/kg/day)
Vancomycin (Vancocin)	Generic	500 mg vial (\$13.6) 25 mg/mL oral solution (compounding supply from pharmacy)	I.V. 1 g q12h or I.V. 500 mg q6h (i.e. 30 mg/kg/day) P.O. 125 mg q.i.d. (for refractory <i>C. difficile</i> colitis)

Note: Unit cost of each preparation updated as of June 2016 in HA.

¹ Dosage for a 70 kg person with normal renal function. Dosage modification may be necessary for (i) the elderly; (ii) the very obese individuals (in whom the distribution volume of water-soluble drugs may be smaller than expected from body mass); (iii) those with renal failure and/or (iv) liver failure.

- ² Dosage for a typical 50 kg person given. Once daily administration of aminoglycoside is appropriate for most infections with the possible exceptions of neutropenic fever, infective endocarditis and in the presence of severe renal failure.
- ³ Named patient basis only.