

Displacement values and reconstitution guidelines for common antibiotics on the Neonatal Intensive Care Unit

Antibiotic (brand)	Reconstitution with water for injection	Concentration of reconstituted solution	Extra information
Amoxicillin <i>Bowmed</i>	250mg - 4.8ml	250mg in 5ml (50mg/ml)	Doses over 30mg/kg must be infused over 30 minutes
Benzypenicillin <i>Genus</i>	600mg - 5.6ml 1200mg - 11.2ml	600mg in 6ml (100mg/ml) 1200mg in 12ml (100mg/ml)	Must be diluted further to a maximum concentration of 60mg/ml Administer as a slow IV bolus over 3-5 minutes
Cefotaxime <i>Reig Jafre</i> ----- <i>Wockhardt</i> ----- <i>Villerton</i>	1000mg – 4.4ml 2000mg – 8.9ml ----- 500mg – 2.2ml 1000mg – 4.4ml ----- 500mg – 2.3ml 1000mg – 4.6ml	1000mg in 5ml (200mg/ml) 2000mg in 10ml (200mg/ml) ----- 500mg in 2.5ml (200mg/ml) 1000mg in 5ml (200mg/ml) ----- 500mg in 2.5ml (200mg/ml) 1000mg in 5ml (200mg/ml)	Further dilution not required Doses <500mg by slow IV bolus over 3-5 minutes

Cefuroxime <i>GlaxoSmithKline, Fresenius</i> ----- <i>Stravencon</i> ----- <i>Flynn Pharma</i>	750mg - 7ml	750mg in 7.5ml (100mg/ml)	Further dilution not required Administer as a slow IV bolus over 3-5 minutes
	1500mg - 14ml	1500mg in 15ml (100mg/ml)	
	750mg – 6.9ml	750mg in 7.5ml (100mg/ml)	
	1500mg – 13.8ml	1500mg in 15ml (100mg/ml)	
	750mg – 7ml	750mg in 7.5ml (100mg/ml)	
	1500mg – 13.9ml	1500mg in 15ml (100mg/ml)	
Flucloxacillin <i>Wockhardt</i> ----- <i>Bowmed</i>	250mg - 4.8ml	250mg in 5ml (50mg/ml)	Further dilution not required. Administer as a slow IV bolus over 3-5 minutes Precipitates with potassium solutions - flush with Sodium chloride 0.9%
	500mg – 9.6ml	500mg in 10ml (50mg/ml)	
	1000mg - 19.3ml	1000mg in 20ml (50mg/ml)	
	250mg - 4.8ml	250mg in 5ml (50mg/ml)	
	500mg – 9.65ml	500mg in 10ml (50mg/ml)	
	1000mg - 19.4ml	1000mg in 20ml (50mg/ml)	

If an antibiotic is not listed please contact pharmacy for advice