



NEONATAL




CEFEPIME

This document should be read in conjunction with this [DISCLAIMER](#)

Restricted: Requires (Neonatologist/Microbiologist) review within 24 hours of initiation

Presentation	Vial : 2g
Classification	Fourth generation, broad spectrum cephalosporin antibiotic.
Indication	Treatment of serious infections caused by susceptible gram-negative organisms, including <i>Pseudomonas aeruginosa</i> . Treatment of serious infections caused by susceptible gram-positive organisms resistant to third generation cephalosporins e.g <i>Staph aureus</i>
Dose	<u>IV</u> Term and Preterm infants ≤ 28 days 30mg/kg/ dose every 12 hours Term and Preterm infants > 28 days 50mg/kg/dose every 12 hours
Monitoring	Renal and haematological function should be monitored with prolonged therapy (i.e. longer than 7 days) or for high dose treatment
Dose Adjustment	Consider dosage adjustment in renal impairment
Compatible Fluids	Glucose 5%, Sodium Chloride 0.9%, Glucose in Sodium Chloride solutions
Preparation	<u>IV:</u> Available from CIVAS (KEMH & PCH) <u>IV Push</u> Add 17.4mL of compatible fluid to a 2g vial. Shake well to allow contents to dissolve. <u>Final concentration is 100mg/mL</u>

	<p><u>IV Infusion</u> Add 17.4mL of compatible fluid to a 2g vial. Shake well to allow contents to dissolve. Concentration is now 100mg/mL</p> <p>Withdraw all the liquid (≈20mL) and make up to a final volume of 50mL with compatible fluid.</p> <p><u>Final concentration is 40mg/mL</u></p>	
Administration	<p><u>IV push:</u> Slow push over 3 to 5 minutes</p> <p><u>IV Infusion:</u> Infuse over 30 minutes</p>	
Adverse Reactions	<p>Common</p>	<p>rash, diarrhoea</p>
	<p>Serious</p>	<p>elevated hepatic transaminases, eosinophilia, positive Coombs' test, renal impairment</p>
Storage	<p>Store vials at room temperature and protect from light.</p>	
Interactions	<p>IV aminoglycoside antibiotics are inactivated by IV penicillins and cephalosporins. Aminoglycoside antibiotics are rapidly bactericidal and should be administered first. The line should then be flushed well with a compatible fluid and the penicillin administered</p>	
References	<p>Australian Medicines Handbook. Cefepime. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2018 [cited 2018 May 30]. Available from: https://amhonline.amh.net.au/</p> <p>Society of Hospital Pharmacists of Australia. Cefepime. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2017 [cited 2018 May 30]. Available from: http://aidh.hcn.com.au</p> <p>Truven Health Analytics. Cefepime. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2018 [cited 2018 May 30]. Available from: https://neofax.micromedexsolutions.com/</p>	

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