



NEONATAL

CEFAZOLIN




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

Unrestricted: Any prescriber may initiate treatment

Presentation	Vial: 1g powder for reconstitution															
Classification	First generation cephalosporin antibiotic															
Indication	Infection due to susceptible organisms Gram positive bacteria (<i>Streptococci</i> and <i>Staphylococci</i> including beta-lactamase producing <i>Staphylococci</i>) and gram negative bacteria (<i>Escherichia coli</i> and some <i>Klebsiella</i> species)															
Dose	<p><u>Infection due to susceptible organisms</u></p> <p>IV:</p> <table border="1"> <thead> <tr> <th>Postnatal Age</th> <th>Weight</th> <th>Dose</th> <th>Frequency</th> </tr> </thead> <tbody> <tr> <td><7 days</td> <td>All</td> <td>25mg/kg/dose</td> <td>12 hourly</td> </tr> <tr> <td rowspan="2">≥7 days</td> <td>< 2kg</td> <td>25mg/kg/dose</td> <td>12 hourly</td> </tr> <tr> <td>≥ 2kg</td> <td>25mg/kg/dose</td> <td>8 hourly</td> </tr> </tbody> </table>	Postnatal Age	Weight	Dose	Frequency	<7 days	All	25mg/kg/dose	12 hourly	≥7 days	< 2kg	25mg/kg/dose	12 hourly	≥ 2kg	25mg/kg/dose	8 hourly
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<7 days	All	25mg/kg/dose	12 hourly													
≥7 days	< 2kg	25mg/kg/dose	12 hourly													
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Monitoring	Renal function and complete blood count during prolonged (>10 days) and/or high dose treatment															
Compatible Fluids	Glucose 5%, Glucose 10%, Sodium chloride 0.9%															

<p>Preparation</p>	<p><u>IV:</u> Add 9.5mL of water for injections to a 1g vial. Concentration is 1000mg/10mL = <u>100mg/mL</u></p> <p><u>IV Infusion:</u> Take 2mL (200mg) of the above solution and make up to 10mL with appropriate diluent Concentration is 200mg/10mL = <u>20mg/mL</u></p>
<p>Administration</p>	<p><u>IV:</u> (100mg/mL) Push slowly over 3 – 5 minutes</p> <p><u>IV Infusion:</u> (20mg/mL) Infuse over 10 to 60 minutes</p>
<p>Adverse Reactions</p>	<p>Common: Diarrhoea, pain and inflammation at the injection site, clostridium difficile associated disease</p> <p>Serious: anaphylaxis, thrombocytopenia</p> <p>Hypothrombinaemia has been associated with cefazolin. This may affect bleeding and clotting times.</p>
<p>Storage</p>	<p>Store unopened via at room temperature below 25°C. Protect from light. Crystals may form if the solution is refrigerated. Redissolve by shaking the vial and warming in the hands. Do not use if crystals do not dissolve easily.</p>
<p>Interactions</p>	<p>IV aminoglycoside antibiotics, including gentamicin, are inactivated by IV cephalosporins, penicillins and teicoplanin. Ensure lines are adequately flushed between antibiotics</p>

References	<p>Takemoto CK, Hodding JH, Kraus DM. Pediatric & neonatal dosage handbook with international trade names index: a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2401. 2, p369-371.</p> <p>Truven Health Analytics. Cefazolin. In: NeoFax [Internet]. Greenwood Village (CO): Truven Health Analytics; 2019 [cited 2019 Aug12]. Available from: https://neofax.micromedexsolutions.com/</p> <p>Society of Hospital Pharmacists of Australia. Cefazolin. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2019 Aug 12]. Available from: http://aidh.hcn.com.au</p>
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