

<u>Benzylpenicillin</u>																					
Indication	<p>Endocarditis.</p> <p>Prophylaxis in splenectomy where enteral routes are not available and the patient is on no other antibiotic cover.</p> <p>Empirical treatment of Pneumococcal Pneumonia</p> <p>See ICU antibiotic guidelines.</p>																				
Dose	<p>Endocarditis: 1200mg - 2400mg every four hours</p> <p>Splenectomy: 1200mg BD</p> <p>Other infections: 600mg - 2400mg QDS</p>																				
Preparation	<p>For Bolus Administration:</p> <ol style="list-style-type: none"> 1. Reconstitute a 600mg vial with 6ml or 1200mg vial with 12ml water for injections 2. Draw up the required dose into a syringe <p>If an infusion is needed:</p> <ol style="list-style-type: none"> 1. Remove the equivalent volume of sodium chloride 0.9% from a 100ml bag 2. Add benzylpenicillin to sodium chloride bag 																				
Administration	<p>Benzylpenicillin may be administered via a peripheral or central line.</p> <p>Bolus doses must be given as slow bolus due to the risk of cerebral irritation.</p> <p>Doses of 1200mg and over must be given by infusion over 30minutes.</p>																				
Shelf-life	24 Hours in a refrigerator																				
Common Compatibility Issues	Generally given via bolus injection so not applicable																				
Additional information	<p>If given by infusion the drug has a high sodium content (22mmol per dose) so monitor sodium levels.</p> <p>Doses should be reduced in renal dysfunction.</p>																				
Sample Label	<table border="1" style="width: 100%; background-color: #ffff00;"> <thead> <tr> <th colspan="4" style="text-align: center;">DRUGS ADDED TO THIS INFUSION</th> </tr> </thead> <tbody> <tr> <td colspan="3">PATIENT <i>A. Patient (A. Number)</i></td> <td>WARD <i>ICU</i></td> </tr> <tr> <td>DRUG <i>Benzylpenicillin in 100ml sodium chloride 0.9%</i></td> <td>AMOUNT <i>... mg (...mg/ml)</i></td> <td>ADD BY</td> <td>CHECKE D BY</td> </tr> <tr> <td>DATE ADDED TIME ADDED</td> <td>EXP. DATE EXP. TIME</td> <td colspan="2">BATCH No.</td> </tr> <tr> <td colspan="4" style="text-align: center;">DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS</td> </tr> </tbody> </table>	DRUGS ADDED TO THIS INFUSION				PATIENT <i>A. Patient (A. Number)</i>			WARD <i>ICU</i>	DRUG <i>Benzylpenicillin in 100ml sodium chloride 0.9%</i>	AMOUNT <i>... mg (...mg/ml)</i>	ADD BY	CHECKE D BY	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.		DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			
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Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	ICU Sister's Meeting: June 2023 ICU Risk & Quality Meeting: August 2023 Surgical Division
Review Date:	June 2025
Key contact:	Pharmacist – Critical Care & Theatres

References

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***** End of Monograph *****