



ADULT Medication Monograph




# BENZYL PENICILLIN

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

[Antimicrobial Restriction – Unrestricted](#)

<b>Presentation</b>	Vial (Powder for reconstitution): 600mg, 3g
<b>Dose</b>	<p><b><u>Prevention of neonatal Group B streptococcal disease</u></b></p> <p><b>IV:</b></p> <p><i>Loading dose:</i> 3g</p> <p><i>Maintenance:</i> 1.8g every 4 hours until birth</p> <p><b><u>Tertiary Syphilis</u></b></p> <p><b>IV:</b></p> <p>1.8g every 4 hours for 15 days</p> <p><b><u>Pregnancy and Congenital Syphilis</u></b></p> <p><b>IV:</b></p> <p>50mg/kg every 12 hours for 10 days</p>
<b>Administration</b>	<p><b><u>IV injection:</u></b></p> <p><b><i>Step 1 Reconstitution:</i></b></p> <p>600mg vial: Reconstitute vial with 3.6mL WFI. Final concentration is 150mg/mL.</p> <p>3g vial: Reconstitute vial with 13mL WFI. Final concentration is 200mg/mL.</p> <p><b><i>Step 2 Administration:</i></b></p> <p>Inject SLOWLY. Do NOT inject faster than 300mg/minute (e.g. 3g over 10 minutes) as rapid IV injection of large doses may cause seizures.</p> <p><b><u>IV infusion:</u></b></p> <p><b><i>Step 1 Reconstitution:</i></b></p> <p>Reconstitute as above</p> <p><b><i>Step 2 Dilution:</i></b></p> <p>Dilute dose in 100mL of glucose 5% or sodium chloride 0.9%</p>

	<p><b>Step 3 Administration:</b></p> <p>Infuse over 30 minutes to 1 hour. Use immediately after preparation</p>
<b>Pregnancy</b>	<p><b>1<sup>st</sup> Trimester:</b> Safe to use</p> <p><b>2<sup>nd</sup> Trimester:</b> Safe to use</p> <p><b>3<sup>rd</sup> Trimester:</b> Safe to use</p>
<b>Breastfeeding</b>	Safe to use
<b>Clinical Guidelines and Policies</b>	<p>WNHS Policy: <a href="#">Antimicrobial Stewardship</a></p> <p>KEMH Pharmaceutical &amp; Medicines Management Guideline: <a href="#">Medication Administration</a></p> <p>KEMH Clinical Guideline: O&amp;G: <a href="#">Pre-labour Rupture of Membranes at Term</a></p> <p>KEMH Clinical Guideline: O&amp;G: <a href="#">Group B Streptococcal Disease</a></p> <p>KEMH Clinical Guideline: O&amp;G: Sexually Transmitted Infections: <a href="#">Syphilis</a></p>
<b>References</b>	<p>Australian Medicines Handbook. Benzylpenicillin. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2019 [cited 2019 Feb 14]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p> <p>Therapeutic Guidelines. Prevention of neonatal <i>Streptococcus agalactiae</i> (group B streptococcus) disease. In: eTG complete [Internet]. West Melbourne (Victoria): Therapeutic Guidelines; 2019 [cited 2019 Feb 14]. Available from: <a href="https://tgldcdp.tg.org.au">https://tgldcdp.tg.org.au</a></p> <p>Therapeutic Guidelines. Syphilis. In: eTG complete [Internet]. West Melbourne (Victoria): Therapeutic Guidelines; 2019 [cited 2019 Feb 14]. Available from: <a href="https://tgldcdp.tg.org.au">https://tgldcdp.tg.org.au</a></p> <p>The Royal Women's Hospital. Benzylpenicillin. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2019 [cited 2019 Feb 14]. Available from: <a href="https://thewomenspbmg.org.au/">https://thewomenspbmg.org.au/</a></p> <p>Society of Hospital Pharmacists of Australia. Benzylpenicillin. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2019 [cited 2019 Feb 14]. Available from: <a href="http://aidh.hcn.com.au">http://aidh.hcn.com.au</a></p>

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