



ADULT




# MEROPENEM

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**Antimicrobial Restriction – Monitored (IV)**

<b>Presentation</b>	<p><b>Vial:</b> 500mg (Powder for reconstitution) <b>Vial:</b> 1g (Powder for reconstitution)</p>										
<b>Dose</b>	<p>0.5 - 1g IV every 8 hours. Maximum 2g every 8 hours</p> <table border="1"> <thead> <tr> <th colspan="2">For renal impairment:</th> </tr> <tr> <th>Creatinine Clearance</th> <th>Dose frequency</th> </tr> </thead> <tbody> <tr> <td>26–50 mL/minute</td> <td>chosen dose every 12 hours</td> </tr> <tr> <td>10–25 mL/minute</td> <td>half the chosen dose every 12 hours</td> </tr> <tr> <td>&lt;10 mL/minute</td> <td>half the chosen dose every 24 hours</td> </tr> </tbody> </table>	For renal impairment:		Creatinine Clearance	Dose frequency	26–50 mL/minute	chosen dose every 12 hours	10–25 mL/minute	half the chosen dose every 12 hours	<10 mL/minute	half the chosen dose every 24 hours
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<b>Administration</b>	<p><b><u>IV Injection</u></b> <b>Step 1 Reconstitution:</b> Reconstitute the 500mg vial with 10mL or the 1g vial with 20 mL of water for injections. Shake well before use. <b>Step 2 Administration:</b> Inject over 5 minutes</p> <p><b><u>IV Infusion</u></b> <b>Step 1 Reconstitution:</b> As above <b>Step 2 Dilution:</b> Dilute the dose with 50 - 200 mL of sodium chloride 0.9% or glucose 5% <b>Step 3 Administration:</b> Infuse over 15 to 30 minutes</p>										
<b>Pregnancy</b>	<p><b>1<sup>st</sup> Trimester:</b> Considered safe to use <b>2<sup>nd</sup> Trimester:</b> Considered safe to use <b>3<sup>rd</sup> Trimester:</b> Considered safe to use</p>										
<b>Breastfeeding</b>	Considered safe to use										
<b>Monitoring</b>	Monitor renal function, hepatic function and complete blood count during										

	prolonged treatment
<b>Other policies and clinical guidelines</b>	<a href="#">Antimicrobial Stewardship (AMS) policy</a> <a href="#">Standard Procedures for Reconstitution and Administration of parenteral drugs</a>
<b>References</b>	<p>Australian Medicines Handbook. Meropenem. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2017 Sep 20]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p> <p>The Royal Women's Hospital. Meropenem. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2017 [cited 2017 Sep 20]. Available from: <a href="https://thewomenspbmg.org.au/">https://thewomenspbmg.org.au/</a></p> <p>Society of Hospital Pharmacists of Australia. Meropenem. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2017 [cited 2017 Sep 20]. Available from: <a href="http://aidh.hcn.com.au">http://aidh.hcn.com.au</a></p>

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