



ADULT

# TEICOPLANIN




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

[Antimicrobial Restriction – Restricted \(IV\)](#)

**HIGH RISK Medication** 

<b>Presentation</b>	Vial: 400mg Supplied with water for injections as diluent
<b>Dose</b>	<p><b><u>Severe infections</u></b></p> <p><b>Route: IV</b></p> <p>6-12mg/kg (or 400-800mg) every 12 hours for 3 doses, then 6mg/kg (or 400mg) once daily.</p> <p><b><u>Renal impairment</u></b></p> <p><i>CrCl 40-60mL/minute:</i> usual dose for first 3 days, then usual dose every 2 days (or half usual dose once daily)</p> <p><i>CrCl &lt;40mL/minute:</i> usual doses for first 3 days, then usual dose every 3 days</p>
<b>Administration</b>	<p><b><u>IV injection</u></b></p> <p><b>Step 1 Reconstitution:</b></p> <p>Reconstitute the vial by injecting 3mL of the provide diluent slowly down the wall of the vial. Roll the vial <i>gently</i> between palms until dissolved. Do NOT shake. Final concentration is 400mg/3mL.</p> <p><b>Step 2 Administration:</b></p> <p>Inject SLOWLY over 5 minutes</p> <p><b><u>IV infusion</u></b></p> <p><b>Step 1 Reconstitution:</b></p> <p>Reconstitute as above.</p> <p><b>Step 2 Dilution:</b></p> <p>Dilute the dose with 50-100mL sodium chloride 0.9% or glucose 5%</p> <p><b>Step 3 Administration:</b></p> <p>Infuse over 30 minutes</p>

<b>Pregnancy</b>	<p><b>1<sup>st</sup> Trimester:</b> Consider alternative</p> <p><b>2<sup>nd</sup> Trimester:</b> Consider alternative</p> <p><b>3<sup>rd</sup> Trimester:</b> Consider alternative</p>	<p>No reports of human use in pregnancy. If the medication of choice, it should not be withheld in pregnancy</p>
<b>Breastfeeding</b>	Use with caution	
<b>Monitoring</b>	<p>Measure trough concentration when treating serious infections: level should be &gt;10mg/L (&gt;20mg/L for infections such as <i>S. aureus</i> endocarditis)</p> <p>Teicoplanin has a longer half-life than vancomycin, so requires less frequent monitoring.</p> <p>Monitor renal function and complete blood count at least once per week</p> <p>Consider monitoring hearing during long courses</p>	
<b>Clinical guidelines and Policies</b>	<p><a href="#">Antimicrobial Stewardship (AMS) policy</a></p> <p><a href="#">Intravenous Medications - Procedure for Reconstitution and Administration</a></p> <p><a href="#">Standard Procedures for Reconstitution and Administration of IV Drugs (Adults)</a></p>	
<b>References</b>	<p>Australian Medicines Handbook. Teicoplanin. In: Australian Medicines Handbook [Internet]. Adelaide (South Australia): Australian Medicines Handbook; 2017 [cited 2017 Nov 28]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p> <p>The Royal Women's Hospital. Teicoplanin In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2016 [cited 2017 Nov 28]. Available from: <a href="https://thewomenspbmg.org.au/">https://thewomenspbmg.org.au/</a></p> <p>Society of Hospital Pharmacists of Australia. Teicoplanin. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2017 [cited 2017 Nov 28]. Available from: <a href="http://aidh.hcn.com.au">http://aidh.hcn.com.au</a></p> <p>Therapeutic Guidelines. Monitoring antimicrobial blood concentrations. In: eTG complete [Internet]. West Melbourne (Victoria): Therapeutic Guidelines; 2017 [cited 2017 Oct 30]. Available from: <a href="https://tgldcdp.tg.org.au">https://tgldcdp.tg.org.au</a></p> <p>U.S. National Library of Medicine. Teicoplanin. In: Drugs and Lactation Database (LactMed) [Internet]. Bethesda (MD): U.S. National Library of Medicine; 2017 [cited 2017 Nov 28]. Available from: <a href="http://toxnet.nlm.nih.gov">http://toxnet.nlm.nih.gov</a></p>	

Keywords:	Teicoplanin, MRSA, methicillin resistant staphylococcus aureus, glycopeptide		
Publishing:	<input checked="" type="checkbox"/> Intranet <input checked="" type="checkbox"/> Internet		
Document owner:	Chief Pharmacist		
Author / Reviewer:	KEMH Pharmacy Department		
Date first issued:	Jan 2015	Version:	3.0
Last reviewed:	Nov 2017	Next review date:	Nov 2020
Endorsed by:	Medicines and Therapeutics Committee	Date:	Dec 2017
Standards Applicable:	NSQHS Standards: 1  Clinical Care is Guided by Current Best Practice 3  Infection Control 4  Medication Safety		
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