



NEONATAL Medication Monograph

# PHENOXYMETHYLPENICILLIN





## (Penicillin V)

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

**Unrestricted:** Any prescriber may initiate treatment

<b>Presentation</b>	<b>Oral:</b> 150mg/5mL oral suspension 250mg/5mL powder for suspension
<b>Description</b>	Penicillin antibiotic
<b>Indications</b>	Susceptible infections including: <ul style="list-style-type: none"><li>• Tonsillitis; Otitis media; Cellulitis; Pharyngitis; Scarlet Fever (<i>Streptococcus A</i>)</li><li>• Prevention of rheumatic fever</li></ul>
<b>Contraindications</b>	Phenoxyethylpenicillin is contraindicated in patients with a history of severe allergy to a penicillin antibiotic.
<b>Precautions</b>	Care should be taken in patients with a previous reaction to cephalosporins and carbapenems as cross reactivity may occur between penicillins, cephalosporins and carbapenems
<b>Dosage</b>	<b>Oral:</b> 12.5 mg/ kg/ dose every 6 hours
<b>Dosage Adjustment</b>	No dosage adjustment is required in renal impairment, however the half-life may be prolonged in significant renal impairment. Prolonged treatment may result in electrolyte disturbances
<b>Adverse Reactions</b>	<b>Common:</b> Diarrhoea, vomiting.
	<b>Serious:</b> Interstitial nephritis, Hypersensitivity reactions including urticaria, fever, rashes, angioedema, anaphylaxis, serum sickness-like reactions
<b>Administration</b>	<b>Oral:</b> Administer prior to feeds – on an empty stomach to enhance absorption
<b>Monitoring</b>	Electrolytes – with long term therapy

<b>Preparation</b>	<p><b><i>Different Brands of Phenoxymethylpenicillin have specific reconstitution instructions.</i></b></p> <p>Refer to packaging insert for reconstitution details</p> <p>Shake all preparations well before use.</p> <p><b>Use commercial solution if available</b></p> <p>If solution not available – prepare the following solution using phenoxymethylpenicillin 250mg capsule</p> <ul style="list-style-type: none"> <li>• Open ONE phenoxymethylpenicillin capsule (250mg) and disperse the contents in 25mL of water.</li> <li>• Shake or stir until an even dispersion is formed (≈ 1 minute) and then measure the dose immediately.</li> <li>• Concentration is 250mg/25mL = <u>10mg/mL</u></li> <li>• Discard any unused solution</li> </ul>
<b>Storage</b>	Dry Powder - Store at room temperature, below 25°C
<b>Notes</b>	Formulations of phenoxymethylpenicillin contain sodium and potassium ions – check each product individually
<b>References</b>	<p>British National Formulary. BNF for Children. 2018-19 ed. London, UK: BMJ Group and Pharmaceutical Press; 2018.</p> <p>Australian Medicines Handbook. Phenoxymethylpenicillin . Adelaide (South Australia): Australian Medicines Handbook; 2020 [cited 2020 Apr 08]. Available from: <a href="https://amhonline.amh.net.au/">https://amhonline.amh.net.au/</a></p> <p>Takemoto CK, Hodding JH, Kraus DM. Pediatric &amp; neonatal dosage handbook with international trade names index : a universal resource for clinicians treating pediatric and neonatal patients. 24th ed. Hudson (Ohio): Lexicomp; 2019</p>

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