





NEONATAL

# TETRACOSACTRIN (SYNACTHEN®)

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

<b>Presentation</b>	Ampoule: 250 microgram/mL
<b>Description</b>	Adrenocorticotrophic hormone (ACTH) analogue
<b>Indications</b>	<ul style="list-style-type: none"> <li>Screening for suspected primary adrenal insufficiency in non-critically ill patients.</li> </ul>
<b>Contraindication</b>	<p>Steroids exposure may interfere with the assay.</p> <p>The test should be done 72 hours after the last dose of maternal or neonatal steroid.</p>
<b>Dosage</b>	<p><b><u>ADRENAL INSUFFICIENCY SCREEN</u></b></p> <p><b>IM:</b></p> <p>15 microg/kg once only.</p>
<b>Adverse Reactions</b>	<p><b>Common:</b> Nil</p> <p><b>Serious:</b> Hypersensitivity or anaphylaxis.</p>
<b>Administration &amp; Monitoring</b>	<p>Blood Samples: non-heparinised tube (red top)</p> <p>Exact time of sampling must be indicated on each sample taken.</p> <ol style="list-style-type: none"> <li>Baseline Cortisol Level at time zero (0.6mL blood sample)</li> <li>Administer dose of tetracosactrin IM.</li> <li>Plasma cortisol levels at 30 mins (0.6mL blood sample)</li> <li>Plasma cortisol levels at 60 mins (0.6mL blood sample)</li> </ol>
<b>References</b>	<p>Garcia et al. Adrenal insufficiency in hemodynamically unstable neonates after open-heart surgery. <i>Congenit Heart Dis.</i> 2010 Sep-Oct; 5(5):422-9.</p> <p>MIMS Australia. Tetracosactrin. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2018 [cited 2018 Jan 25]. Available from: <a href="https://www.mimsonline.com.au">https://www.mimsonline.com.au</a></p>
<b>Related clinical guidelines</b>	

Document owner:	Head of Department - Neonatology		
Author / Reviewer:	KEMH & PCH Pharmacy / Neonatology Directorate		
Date first issued:	September 2014	Version:	3.1
Last reviewed:	Jan 2018	Next review date:	March 2021
Endorsed by:	Neonatal Directorate Management Group	Date:	Jan 2018
Standards Applicable:	NSQHS Standards: 1  Clinical Care is Guided by Current Best Practice, 4  Medication Safety;		
<b>Printed or personally saved electronic copies of this document are considered uncontrolled.          Access the current version from the WNHS website.</b>			

© Department of Health Western Australia 2018