





NEONATAL

TETRACOSACTRIN (SYNACTHEN®)

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

Presentation	Ampoule: 250 microgram/mL
Description	Adrenocorticotropic hormone (ACTH) analogue
Indications	<ul style="list-style-type: none">• Screening for suspected primary adrenal insufficiency in non-critically ill patients.
Contraindication	Steroids exposure may interfere with the assay. The test should be done 72 hours after the last dose of maternal or neonatal steroid.
Dosage	<u>ADRENAL INSUFFICIENCY SCREEN</u> IM: 15 microg/kg once only.
Adverse Reactions	Common: Nil Serious: Hypersensitivity or anaphylaxis.
Administration & Monitoring	Blood Samples: non-heparinised tube (red top) Exact time of sampling must be indicated on each sample taken. <ol style="list-style-type: none">1. Baseline Cortisol Level at time zero (0.6mL blood sample)2. Administer dose of tetracosactrin IM.3. Plasma cortisol levels at 30 mins (0.6mL blood sample)4. Plasma cortisol levels at 60 mins (0.6mL blood sample)
References	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. MIMS Australia. Tetracosactrin. In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2018 [cited 2018 Jan 25]. Available from: https://www.mimsonline.com.au

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