

*This IV monograph is intended for use in Paediatric intensive care and may not be suitable for patients in other clinical areas*

# Tetracosactide (Synacthen®)

**For a Low dose short test for adrenal insufficiency only.  
For other indications see BNFC**

Dose	Frequency	Route	Administration
All ages  300 <b>nanograms</b> /m <sup>2</sup> (0.3 micrograms/m <sup>2</sup> )  Use chart on reverse to calculate Surface area in m <sup>2</sup> from child's weight.	Give IV as a single dose and collect cortisol samples in a 2ml lithium heparin bottle at: 0, 10, 20,30 and 40 mins Adrenal insufficiency defined as <ul style="list-style-type: none"><li>• random or baseline cortisol level &lt;500nmol/L</li><li>• an increment value of &lt; 200nmol/L from baseline post test.</li></ul> (For more information see existing customs)	IV	Add <b>25 micrograms</b> (ie 25,000 nanograms) tetracosactide to 100ml sodium chloride 0.9% to give a solution of <b>250 nanograms/ml</b> and give required dose as IV bolus

Written by (pharmacist signature)..... (Zoë Taylor) July 2010

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