





Anti Xa Assay

Synonyms	Anti Xa, Low Molecular Weight Heparin, LMW, LMH
Clinical Indication	<p>Patients on Low Molecular Weight Heparin (LMWH), Danaparoid (Oxaron), Fondaparinux (Arixtra) therapy. Anti Xa usually not monitored, may be requested in some cases. These include patients who are pregnant, obese, very young, elderly and those who have kidney disease or dysfunction. Normally requested as a peak test 3-4 hours after administration of anti Xa agent.</p> <p>Performed after discussion and agreement with a Consultant Haematologist.</p>
Part of Profile / See Also	Anti Xa activity
Request Form	Combined Pathology manual Blood form or ICE request
Availability / Frequency of Analysis	On request. When requesting please state on form if patient is on Danaparoid or Fondaparinux.
Turnaround Time	2 hours.
Patient Preparation	Samples should be taken with minimal stasis
Sample Requirements	
Specimen Type	Citrated whole blood
Volume	Collection tube must be filled to 'fill mark' on side of bottle. This is critical
Container	 <p>Blue top (sodium citrate) tube</p>  <p>Paediatric Blue top (sodium citrate) tube</p> <p>Samples must be received by lab within 30 mins of collection</p>
Reference Range & Units	<p>A therapeutic anti-Xa level for LMWH is 0.5-1.0 IU/mL 4 hours after a dose of LMWH. A prophylactic anti-Xa level for LMWH is 0.1-0.3 IU/mL 4 hours after a dose of LMWH. Danaparoid: 0.5-0.8 U/mL</p>
Interferences	Haemolysed, lipaemic, or underfilled samples. Any sample more than 2 hours old
Interpretation & Clinical Decision Value (if applicable)	<p>Reference ranges for anti-Xa levels depend on heparin type, dose, schedule and indication. When a person is not taking heparin, anti-Xa concentrations should be zero or undetectable.</p> <p>When it is used as to monitor LMWHs, anti-Xa levels are usually ordered as a 'peak' test. It is collected 3-4 hours after a LMWH dose is given, when the concentration of LMWH in the blood is expected to be at its highest level. Random and "trough" anti-Xa tests may also be ordered when there are concerns that a LMWH may be accumulating e.g. in renal failure.</p>
References	Werfen kit inserts
Test code	AXA
Lab Handling	Samples must be centrifuged within 1 hour of collection.