


AT III








Entity: Cluster

Concept description:				Identification:	
AT III test results as a single value.				<i>Id:</i> openEHR-EHR-CLUSTER.laboratory_test_panel-at_iii.v0 <i>Reference model:</i> openEHR_EHR	
Purpose	Use	Misuse	Copyright	References	Contact
To record AT III test results as a single value. Antithrombine LOINC 55442-8 Antithrombin in Platelet poor plasma Component Property Time System Scale Method Antithrombin - Pt PPP Antithrombin and antithrombin III refer to the same thing but today, however, antithrombin is the correct name. Antithrombin is a small glycoprotein, produced in the liver that inactivates	To record AT III test results as a single value. Normally used in conjunction with a parent Laboratory test result (Observation) archetype.	Should not be used to record Anatomical pathology macroscopic/microscopic findings.	© openEHR Foundation	Based on NEHTA 'Pathology Test' archetype. Available from: http://dcm.nehta.org.au/ckm/OKM.html#showarchetype_1013.1.839_8 Pathology (Data Specifications) Version 1.0 [Internet]. Sydney, Australia: National E-Health Transition Authority; 2007 May 29 [cited 2011 Jul 11]; Available at http://www.nehta.gov.au/component/docman/doc_download/962-pathology-v10 . Laboratory Technical Framework, Volume 3: Content, Revision 3.0 [Internet]. USA: IHE International; 2011 May 19; [cited 2011 Jul 11]. Available from: http://www.ihe.net/Technical_Framework/index.cfm#laboratory HL7 FHIR Observation resource: HL7 FHIR; Available from http://www.hl7.org/implement/standards/fhir/observation.html	

several enzymes of the coagulation system including thrombin as well as factors Xa, IXa, XIa, XIIa, and kallikrein. Heparan sulfate (heparin), located on endothelial cells, binds to antithrombin causing a conformational change that results in its activation. Antithrombin deficiency is present in 0.17% of the general population. It accounts for 1.1% of unselected patients with venous thrombosis and up to 5% of patients younger than 70 years with thrombosis. Over 127 mutations in the antithrombin gene are known to cause hereditary antithrombin deficiency. Individuals

heterozygous for antithrombin deficiency have a fivefold increased risk for venous thrombosis. Homozygous deficiencies are usually fatal.
Source:
Regenstrief Help
NB: This is not cloned in templates from laboratory-tests but specialized. The reason for this is that maintainability becomes hard when there are changes in the model, but the correspondending constraint can occur in more templates (which will happen because, ET decided to have archetypes which can occur in several templates.

Concept	Description	Constraints	Values
 <i>Laboratory result</i>	Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.	<i>Cluster</i> 0..*	

 Result value	Actual value of the result.	Quantity 0..1	Property = Proportion Units = %;
 Comment	Comment about the Result.	Text 0..1	Text;
 Reference range guidance	Additional advice on the applicability of the reference range.	Text 0..1	Text;
 Result status	The status of the result value.	Text 0..1	Internal; 'Registered', 'Interim', 'Final', 'Amended', 'Cancelled/Aborted', 'Not requested'
 Result status timestamp	The date and/or time that the entire result was issued for the recorded 'Result status'.	DateTime 0..1	Allow all
	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster