









SGOT (ASAT) test result

Entity: Cluster

Concept description:				Identification:	
SGOT (ASAT) test results as a single value.				<i>Id:</i> openEHR-EHR-CLUSTER.laboratory_test_panel-sgot.v0 <i>Reference model:</i> openEHR_EHR	
Purpose	Use	Misuse	Copyright	References	Contact
To record SGOT (ASAT) test results as a single value. LOINC 1920-8 Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma Component Aspartate aminotransferase Property Time System Scale Method CCnc Pt Ser/Plas Qn Aspartate transaminase (AST) also called serum glutamic oxaloacetic transaminase (SGOT) or aspartate aminotransferase (ASAT/AAT/AspAT) (EC 2.6.1.1) is similar to alanine transaminase (ALT) in that it is another enzyme associated	To record SGOT (ASAT) 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	

with liver parenchymal cells. ALT is found predominately in the liver, with lesser quantities found in the kidneys, heart, and skeletal muscle. ALT is a more specific indicator of liver inflammation than the AST, though both are used for assessing liver damage. AST may also be elevated in diseases affecting other organs, such as the heart or muscles in myocardial infarction, acute pancreatitis, acute hemolytic anemia, severe burns, acute renal disease, musculoskeletal diseases. NB the unit mmol/s/l is not in LOINC SNOMED 45896001 | Aspartate aminotransferase measurement (procedure) | 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

corresponding constraint can occur in more templates (which will happen because, ET decided to have archetypes which can occur in several templates.					
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Concept	Description	Constraints	Values
 Laboratory result	Specific detailed result, including both the value of the result item, and additional information that may be useful for clinical interpretation.	Cluster 0..*	
 Result value	Actual value of the result.	Quantity 0..1	Property = Concentration Units = U/l; >=0; <=30; Units = nmol/s/l; >=0; <=0.5;
 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]	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
 Slot Other detail [Cluster]	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster