CK-MB test result

Entity: Cluster

Concept description:	**Identification:**
CK-MB test results as a single value.	*Id*: openEHR-EHR-CLUSTER.laboratory_test_panel-ck_mb.v0 *Reference model*: openEHR_EHR

Purpose	**Use**	**Misuse**	**Copyright**	**References**	**Contact**
To record CK-MB test results as a single value. LOINC 32673-6 Creatine kinase.MB [Enzymatic activity/?volume] in Serum or Plasma Component Property Time System Scale Method Creatine kinase.MB CCnc Pt Ser/Plas Qn Creatine kinase MB is the quantitation of the specific cardiac protein CKMB that is used in diagnosing myocardial infarction. Elevated values	To record CK-MB 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	

can be often be detected within 3-6 hours following the onset of chest pain. Testing should be performed at appropriate intervals because CKMB concentration peaks within 12-24 hours and generally returns to normal at 24-72 hours. Abnormal CKMB concentrations are often associated with ischemia or necrotic injury to the heart. Other conditions which may give elevated CK-MB values when the diagnosis of myocardial damage is unclear include skeletal muscle trauma, muscular dystrophy, dermatomyositis, Reyes syndrome, rhabdomyolysis, drug overdose, delirium tremens, chronic ethanol							

poisoning, and myopathic disorders. Source: Regenstrief Institute NB the unit umol/s/l does not have a LOINC code SNOMED 104613001 | Creatine kinase MB 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 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
Laboratory result	Specific detailed result, including both the value of the result item, and	***Cluster*** 0..*	

	additional information that may be useful for clinical interpretation.		
Result value	Actual value of the result.	***Quantity*** 0..1	Property = Concentration Units = U/l; >=0; <=10; Units = umol/s/l; >=0; <=0.2;
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