Potassium (K+) test result

Entity: Cluster

Concept description:				Identification:	
Potassium concentration in the blood (K+) test results as a single value.				*Id*: openEHR-EHR-CLUSTER.laboratory_test_panel-potassium.v0 *Reference model*: openEHR_EHR	

Purpose	Use	Misuse	Copyright	References	Contact
To record Potassium (K+) test results as a single value. LOINC 2823-3 Potassium [Moles/volume] in Serum or Plasma Component Property Time System Scale Method Potassium SCnc Pt Ser/Plas Qn An element that belongs to the alkali group of metals. Symbol K, atomic number 19, and atomic weight 39.10. It is the main cation in the intracellular fluid of muscle and other cells.	To record Potassium (K+) 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	

Potassium ion is a strong electrolyte and it plays a significant role in the regulation of fluid volume and maintenance of the water-electrolyte balance. Source: National Library of Medicine, MeSH 2006 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.		
Q **Result value**	Actual value of the result.	*Quantity* 0..1	Property = Concentration Units = mmol/l; >=3; <=5;
T **Comment**	Comment about the Result.	*Text* 0..1	Text;
T **Reference range guidance**	Additional advice on the applicability of the reference range.	*Text* 0..1	Text;
T **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
A	Slot Result detail [Cluster]	Include : Cluster	Exclude : Cluster
A	Slot Other detail [Cluster]	Include : Cluster	Exclude : Cluster