Sodium (NA+) test result

Entity: Cluster

<table>
<tr><td colspan="2">Concept description:</td><td colspan="2">Identification:</td></tr>
<tr><td colspan="2">Sodium (NA+) test results as a single value.</td><td colspan="2"><i>Id</i>: openEHR-EHR-CLUSTER.laboratory_test_panel-sodium.v0
<i>Reference model</i>: openEHR_EHR</td></tr>
</table>

Purpose	Use	Misuse	Copyright	References	Contact
To record Sodium (NA+) test results as a single value. LOINC 2951-2 Sodium [Moles/? volume] in Serum or Plasma Component Sodium Property Time System Scale Method SCnc Pt Ser/Plas Qn Sodium is an essential nutrient that regulates blood volume, blood pressure, osmotic equilibrium and electrolyte balance. Sodium chloride is the principal source of sodium in the diet, and is used for seasoning and	To record Sodium (NA+) 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	

as a preservative. Increased levels of sodium intake can cause hypertension and reportedly leads to 7.6 million premature deaths worldwide. Sodium is also important in neuron function and osmoregulation between cells and the extracellular fluid. NB the mass/volume unit is not in LOINC SNOMED 104934005 | Sodium measurement, serum (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 additional information that may be useful for clinical interpretation.	*Cluster* 0..*	
Q **Result value**	Sodium (NA+) test: Actual value of the result.	*Quantity* 0..1	Property = Concentration Units = mmol/l; >=130; <=155; Units = mg/dl; Units = umol/l;
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