Specimen

Entity: Cluster

Concept description:				Identification:	
To record details of a laboratory specimen.				*Id*: openEHR-EHR-CLUSTER.specimen.v0 *Reference model*: openEHR_EHR	

Purpose	Use	Misuse	Copyright	References	Contact
To record details of a laboratory specimen. Will often be used in different contexts e.g within an Instruction archetype to describe the specimen that has to be taken, or describing the specimen which accompanies the laboratory request. It may occur within an Action archetype e.g. describing specimens taken as part of a surgical procedure. It will finally be used within a	Generally used within OBSERVATION. laboratory_test.v1 and other laboratory related Instruction and Action archetypes.		© openEHR Foundation	Hl7 FHIR Specimen resource: HL7 FHIR; Available from http://www.hl7.org/implement/standards/fhir/specimen.html 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	

laboratory result archetype to describe the specimen being reported.	

Concept	Description	Constraints	Values
T **Specimen type**	The type of specimen to be collected e.g venous blood, prostatic biopsy.	*Text* 0..1	Text;
Datetime collected	The date and time that collection has been ordered to take place or has taken place.	*DateTime* 0..1	Allow all
T **Sampling conditions**	Any conditions to be met before the sample should be taken.	*Text* 0..*	Text;
Ⓐ	Slot Source site [Cluster]	Include : Cluster anatomical_location(-[a-zA-Z0-9_]+)*\.v1	Exclude : Cluster
Ⓐ	Slot Physical properties [Cluster]	Include : Cluster physical_properties(-[a-zA-Z0-9_]+)*\.v1 inspection_body_fluid(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
T **Collection method**	The method of collection to be used eg Venepuncture, biopsy, resection.	*Text* 0..1	Text;
T **Collection method description**	Additional detailed description of method of sample collection.	*Text* 0..1	Text;
Ⓐ	Slot Additional collection details [Cluster]	Include : Cluster	Exclude : Cluster
T **Potential risk**	Any risk or biohazard associated with collecting or handling the specimen.	*Text* 0..1	Text;

T Collection setting	Identification of the setting at which the specimen was collected from a subject of care. The specimen is often collected by a healthcare provider, but may be collected directly by the patient or carer at home.	*Text* 0..1	Text;
Specimen collector identifier	Identifier of the person or agency responsible for collecting the specimen.	*Identifier* 0..1	
Ⓐ	Slot Specimen collector details [Cluster]	Include : Cluster	Exclude : Cluster
123 Number of containers	The total number of containers holding this specimen.	*Count* 0..1	0..*
Ⓐ	Slot Container details [Cluster]	Include : Cluster	Exclude : Cluster
Specimen quality	Problems with the received specimen.	*Cluster* 0..1	
Specimen received issues	Specific issue with a received specimen.	*Text* ___ *Text* 0..*	Internal; 'Haemolysed', 'Lipaemic', 'Incorrect transport medium', 'Insufficient sample' ___ Text;
Laboratory handling issues	Issue arising with handling or processing of the specimen within the laboratory.	*Text* ___ *Text* 0..*	Internal; 'Handling error', 'Age', 'Laboratory accident', 'Technical failure' ___ Text;
Adequacy for testing	Is the specimen adequate for testing?	*Text* ___ *Text* 0..1	Internal; 'Satisfactory', 'Unsatisfactory - processed', 'Unsatisfactory - not processed' ___ Text;
T Comment	An additional text comment on the quality of the received specimen.	*Text* 0..1	Text;

🔵 *Processing*	Workflow of specimen processing/handling.	*Cluster* 0..1	
🕐 **Datetime received**	The date and time that the sample was received at the laboratory.	*DateTime* 0..1	Allow all
Laboratory specimen identifier	Unique identifier of the specimen, normally assigned by the laboratory.	*Identifier* 0..1	
Ⓐ	Slot Processing details [Cluster]	Include : Cluster specimen_preparation(-[a-zA-Z0-9_]+)*\.v1	Exclude : Cluster
🔵 *Related specimen*	Details of a related specimen.	*Cluster* 0..*	
Parent specimen identifier	Unique identifier of the parent specimen, where the specimen is split into sub-samples.	*Identifier* 0..1	