Laboratory test

Entity: OBSERVATION

Concept description:				Identification:	
The findings and interpretation of a pathology laboratory test performed on patient-related specimens.				*Id*: openEHR-EHR-OBSERVATION.laboratory_test.v0 *Reference model*: openEHR_EHR	

Purpose	Use	Misuse	Copyright	References	Contact
To record the findings and interpretation of pathology laboratory tests performed on tissues and body fluids. This is typically done in a laboratory but may be done in other environments such as at the point of care.	Use to record any pathology laboratory test result, including the result of a test on a specimen taken as part of a composite procedure or operation. Multi-analyte panels can be represented using templates or specialised archetypes. More complex tests such as histopathology or microbiology should be represented using specialised archetypes where additional report	Not to be used for reporting on non-pathology test results e.g. diagnostic imaging, ECG or respiratory function tests. Not to be used to represent an entire cumulative report. This laboratory test result archetype represents only one of the result sets that is usually viewed as a vertical in a cumulative test report. A cumulative report is a view that is		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 Diagnostic Report resource: HL7 fhir; Available from http://www.hl7.org/implement/standards/fhir/diagnosticreport.html	

| | content is required. Laboratory Test Report has a high degree of alignment to an HL7 FHIR Diagnostic Report resource. Will normally be reported back to the requesting clinician as one component within the context of an overall COMPOSITION-based report. | constructed from the results represented by multiple OBSERVATION archetypes. Not to be used to record an Autopsy report, although tests on some specimens that are taken at autopsy may be represented using this archetype. This archetype is suitable for representation of general pathology test results, but not intended to cover full synoptic reports. For these, additional specialising archetypes are required to represent the data. This archetype has been designed to support clinical pathology and may not be appropriate for other kinds of pathology use. | | | | |

Data

Structure: Tree

Concept	Description	Constraints	Values
T **Test name**	Identification of the pathology test performed, sometimes including specimen type and patient state.	*Text* 1..1	Text;
	Slot Specimen detail [Cluster]	Include : Cluster specimen(-[a-zA-Z0-9_]+)*\.v0	Exclude : Cluster
T **Test status**	The status of the laboratory test result as a whole.	*Text* 0..1	Internal; 'Registered', 'Partial', 'Final', 'Corrected', 'Amended', 'Cancelled', 'Entered in error'
Test status timestamp	The date and/or time that the entire result was issued for the recorded 'Test Report Status'.	*DateTime* 0..1	Allow all
T **Diagnostic service category**	The diagnostic service that performs the examination.	*Text* 0..1	Text;
T **Clinical information provided**	Description of clinical information available at the time of interpretation of results, which may include a link to the original clinical information provided in the test request.	*Text* 0..1	Text;
	Slot Test findings [Cluster]	Include : Cluster	Exclude : Cluster
T **Conclusion**	Concise and clinically contextualised narrative interpretation of the laboratory test results.	*Text* 0..1	Text;
T **Pathological diagnosis**	Single word, phrase or brief description representing the	*Text* 0..*	Text;

T **Comment**	narrative in the 'Conclusion'. Additional narrative about the test not captured in other fields.	*Text* 0..1	Text;
Test representation	Rich text or other multimedia representation of the entire result as issued by the diagnostic service.	*MultiMedia* 0..*	

State

Structure: Tree

Concept	Description	Constraints	Values
T **Confounding factors**	Aspects of the condition or circumstances of the patient that may alter interpretation of the laboratory test.	*Text* 0..*	Text;
A	Slot Patient state details [Cluster]	Include : Cluster	Exclude : Cluster

Event Series

Events	Description	Constraints
Any event	**Default, unspecified point in time or interval event which may be explicitly defined in a template or at run-time.**	Event

Protocol

Structure: Tree

Concept	Description	Constraints	Values

(A)	Slot Responsible laboratory [Cluster]	Include : Cluster	Exclude : Cluster
Laboratory test identifier	The local identifier given to the laboratory test result by the Laboratory Information System.	*Identifier* 0..1	
Test request details	Details concerning a single laboratory test requested.	*Cluster* 0..*	
T Original test requested **Name**	Identification of the original laboratory test requested, where the test requested differs from the test actually performed.	*Text* 0..*	Text;
Requester order **identifier**	The local ID assigned to the test order by the order requester.	*Identifier* 0..1	
Receiver order identifier	The local ID assigned to the test order by the order filler, usually by the Laboratory Information System (LIS).	*Identifier* 0..1	
(A)	Slot Requester [Cluster]	Include : Cluster	Exclude : Cluster
(A)	Slot Distribution list [Cluster]	Include : Cluster distribution(-[a-zA-Z0-9_]+)*\.v1	Exclude : Cluster
Point of care device	True if a point of care device supplies the test result rather than a formal laboratory service.	*Boolean* 0..1	True, FalseAssumed value False
(A)	Slot Test method/device details [Cluster]	Include : Cluster device(-[a-zA-Z0-9_]+)*\.v1	Exclude : Cluster
(A)	Slot Extension [Cluster]	Include : Cluster	Exclude : Cluster