Health & Care Information Model:

nl.zorg.LaboratoryTestResult-v4.0

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Better health
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Nictiz

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1. nl.zorg.LaboratoryTestResult-v4.0

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1.1 Revision History

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1.2 Concept

A laboratory result describes the result of a laboratory analysis.
These are specimen-oriented tests as performed in laboratories such as Clinical Chemistry, Serology, Microbiology, etc.
In addition to the results of tests with a singular result, this concept can also contain the results of more complex tests with multiple results or a 'panel'.

1.3 Mindmap

1.4 Purpose

Laboratory tests are done for the purpose of diagnosing and preventing disease and follow-up on the effects of treatment.

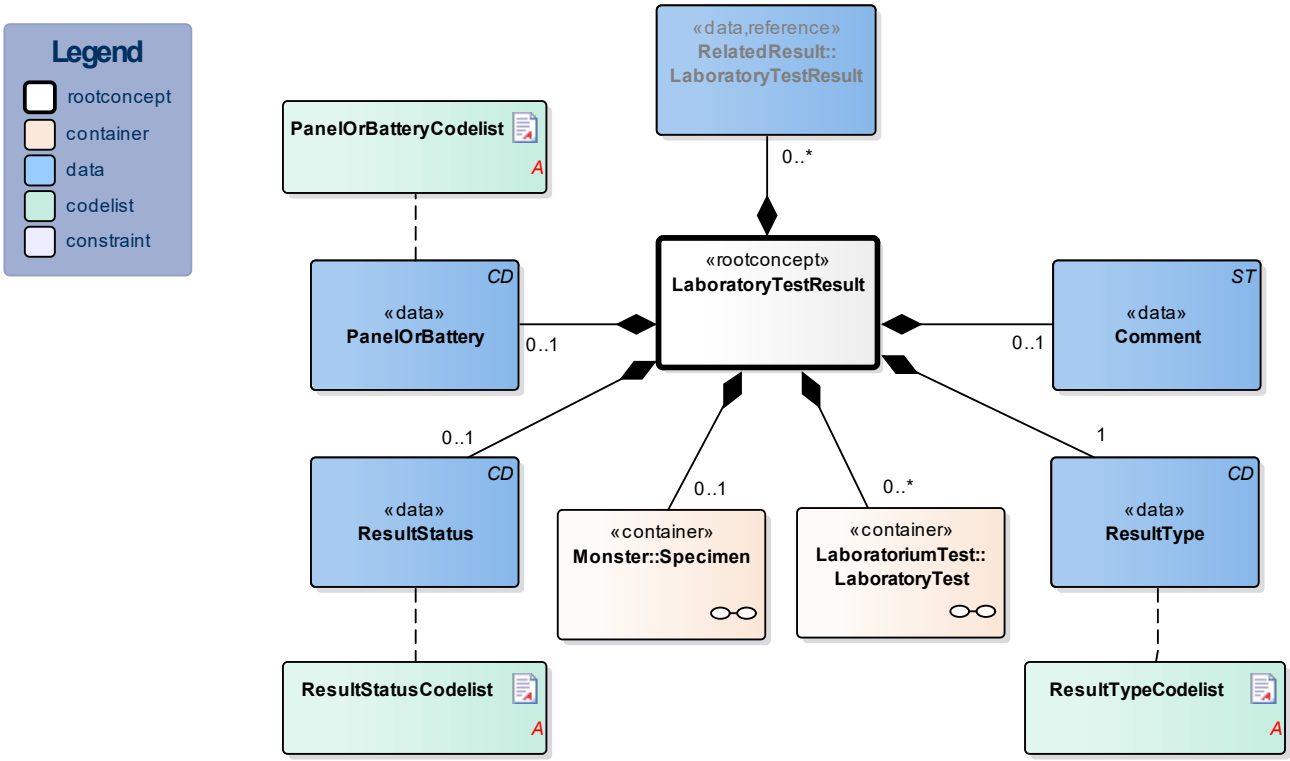
1.5 Patient Population

1.6 Evidence Base

There are two information models for recording laboratory test results: TextResult and LaboratoryTestResult.

In the case of laboratory test results, it is difficult to clearly indicate exactly when to use this information model and when to use the TextResult information model.
In general, laboratory tests resulting in a value (7.1 mmol/L), ordinal number (++ from series to ++++) or a quantitative result (Low) are recorded using this information model. The TextResult information model is better suited for textual results that are more descriptive in nature and which are longer than just a few words. Both types of tests occur in almost all laboratories.
The applicability of the aforementioned information models is not determined by the kind of lab but by the kind of result.

1.7 Information Model



«rootconcept»	LaboratoryTestResult	
Definitie	Root concept of the LaboratoryTestResult information model. This root concept contains all data elements of the LaboratoryTestResult information model.	
Datatype		
DCM::ConceptId	NL-CM:13.1.1	
Opties		

«data»	PanelOrBattery	
Definitie	For laboratory tests comprising multiple subtests and often requested together as a whole, this concept contains the name of the compound request (often indicated as a ‘panel’, ‘battery’ or ‘cluster’). Examples include: blood gases and EBV serology.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.4	
DCM::ExampleValue	Bloedgassen	
DCM::ValueSet	PanelOrBatteryCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.5
Opties		

«data»	ResultStatus	
Definitie	The status of the laboratory test result .If the laboratory test is an panel/cluster, this status reflects the status of the whole panel/cluster. If the status item per subtest is used too, this status must be in accordance with these status values.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.6	
DCM::ExampleValue	Definitief	
DCM::ValueSet	ResultStatusCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.8

Opties	

«data»	Comment	
Definitie	Comments, such as a textual interpretation or advice accompanying the result, for example.	
Datatype	ST	
DCM::ConceptId	NL-CM:13.1.5	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«data»	ResultType	
Definitie	The type of result defines the laboratory specialty under which the test is categorized.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.7	
DCM::ExampleValue	Klinische Chemie	
DCM::ValueSet	ResultTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.1
Opties		

«data»	RelatedResult::LaboratoryTestResult	
Definitie	Reference to related tests, *e.g.* paired tests or sequential tests like gram staining and microbiological cultures	
Datatype		
DCM::ConceptId	NL-CM:13.1.33	
DCM::ReferencedConceptId	NL-CM:13.1.1	This is a reference to the rootconcept of information model LaboratoryTestResult.
Opties		

«document»	PanelOrBatteryCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.5	
Opties		

OnderzoekCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.5**
Codes	Coding Syst. Name	Coding System OID
Alle waarden	LOINC	2.16.840.1.113883.6.1

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	ResultStatusCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.8	
Opties		

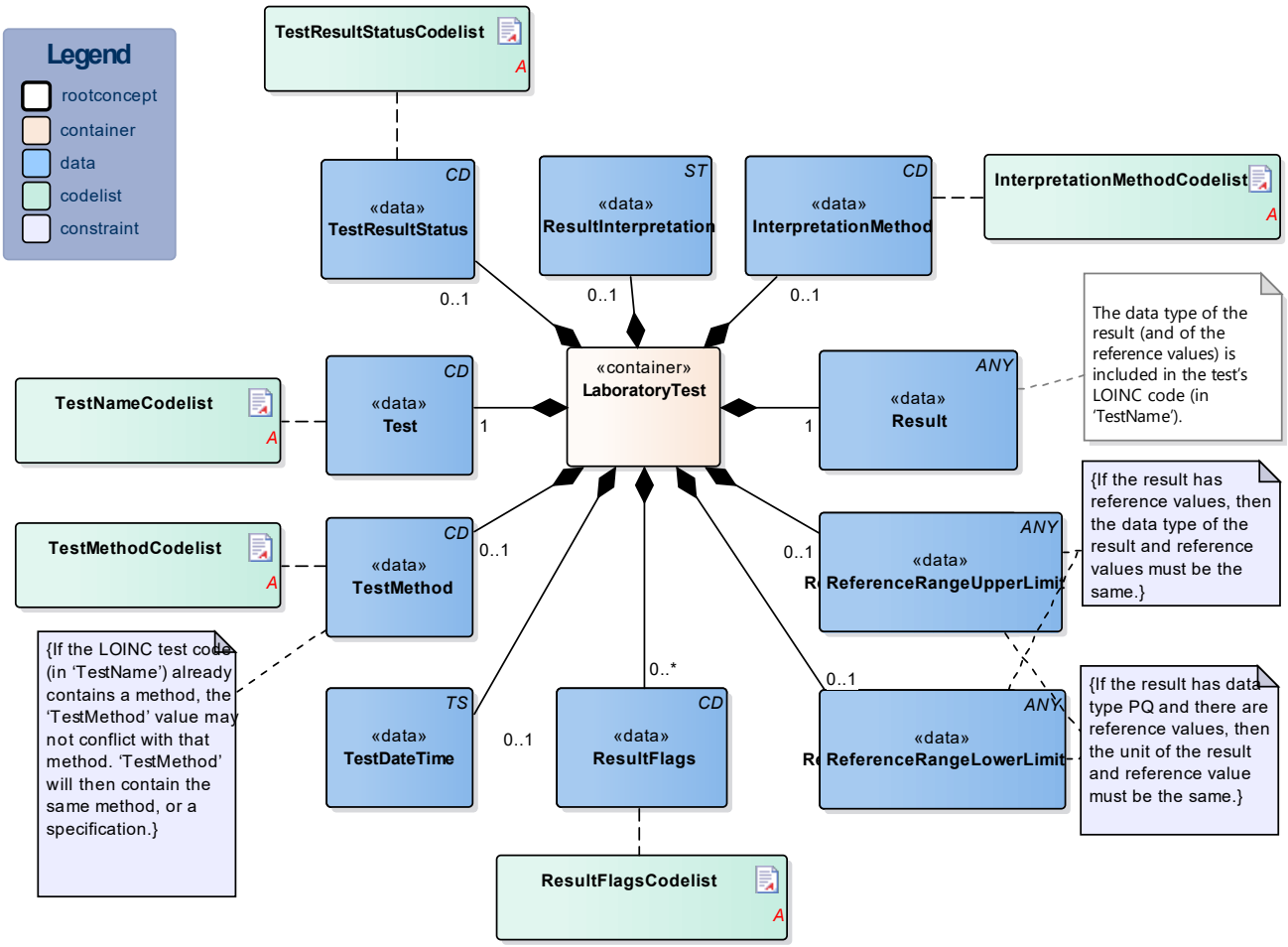
ResultaatStatusCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.8**		
Concept Name	**Concept Code**	**CodeSys. Name**	**CodeSystem OID**	**Description**

Pending	pending	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Uitslag volgt
Preliminary	preliminary	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Voorlopig
Final	final	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Definitief
Appended	appended	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Aanvullend
Corrected	corrected	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Gecorrigeerd

«document»	ResultTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.1	
Opties		

ResultaatTypeCodelijst			**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.1**	
Concept Name	**Concept Code**	**Coding Syst. Name**	**Coding System OID**	**Omschrijving**
Hematology	252275004	SNOMED CT	2.16.840.1.113883.6.96	Hematologie
Chemistry	275711006	SNOMED CT	2.16.840.1.113883.6.96	Klinische chemie
Serology	68793005	SNOMED CT	2.16.840.1.113883.6.96	Serologie/ immunologie
Virology	395124008	SNOMED CT	2.16.840.1.113883.6.96	Virologie
Toxicology	314076009	SNOMED CT	2.16.840.1.113883.6.96	Toxicologie
Microbiology	19851009	SNOMED CT	2.16.840.1.113883.6.96	Microbiologie
Molecular genetics	405825005	SNOMED CT	2.16.840.1.113883.6.96	Moleculaire genetica

1.7.1 LaboratoriumTest



«container»	LaboratoryTest	
Definitie	Container of the LaboratoryTest concept. This container contains all data elements of the LaboratoryTest concept.	
Datatype		
DCM::ConceptId	NL-CM:13.1.3	
Opties		

«data»	Test	
Definitie	The name and code of the executed test.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.8	
DCM::ExampleValue	HbA1c	
DCM::ValueSet	TestNameCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.3
Opties		

«data»	TestMethod	
Definitie	The test method used to obtain the result.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.9	
DCM::DefinitionCode	SNOMED CT: 246501002 Technique (attribute)	
DCM::ExampleValue	IFCC	
DCM::ValueSet	TestMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.4

Opties	

«data»	TestDateTime	
Definitie	The date and if possible the time at which the test was carried out.	
Datatype	TS	
DCM::ConceptId	NL-CM:13.1.13	
DCM::ExampleValue	10-07-2012 20:15	
Opties		

«data»	Result	
Definitie	The test result. Depending on the type of test, the result will consist of a value with a unit or a coded value (ordinal or nominal).	
Datatype	ANY	
DCM::ConceptId	NL-CM:13.1.10	
DCM::ExampleValue	53 mmol/mol	
Opties		

«data»	TestResultStatus	
Definitie	The status of the test result of this test. If the laboratory test is an panel/cluster, the overall status is given in the status of the panel/cluster.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.31	
DCM::ValueSet	TestResultStatusCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.15
Opties		

«data»	ReferenceRangeUpperLimit	
Definitie	The upper reference limit for the patient of the value measured in the test.	
Datatype	ANY	
DCM::ConceptId	NL-CM:13.1.11	
DCM::ExampleValue	42 mmol/mol	
Opties		

«data»	ReferenceRangeLowerLimit	
Definitie	The lower reference limit for the patient of the value measured with the test.	
Datatype	ANY	
DCM::ConceptId	NL-CM:13.1.12	
DCM::ExampleValue	20 mmol/mol	
Opties		

«data»	InterpretationMethod	
Definitie	The method used to determine interpretation flags. An example of this is EUCAST, for determining clinical breakpoints in microbiological susceptibility tests	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.30	

DCM::ValueSet	InterpretationMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.14
Opties		

«data»	ResultFlags	
Definitie	Attention codes indicating whether the result is above or below certain reference values or interpreting the result otherwise.(Resistent)	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.14	
DCM::DefinitionCode	SNOMED CT: 363713009 Has interpretation	
DCM::ExampleValue	High	
DCM::ValueSet	ResultFlagsCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.7
Opties		

«data»	ResultInterpretation	
Definitie	Comment of the laboratory specialist regarding the interpretation of the results	
Datatype	ST	
DCM::ConceptId	NL-CM:13.1.32	
DCM::DefinitionCode	SNOMED CT: 441742003 Evaluation finding	
Opties		

«document»	TestNameCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.3	
Opties		

TestCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.3**
Codes	Coding Syst. Name	Coding System OID
Alle waarden	LOINC	2.16.840.1.113883.6.1

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	TestMethodCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.4	
Opties		

TestmethodeCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.4**
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 272394005 |Technique (qualifier value)|	SNOMED CT	2.16.840.1.113883.6.96

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	TestResultStatusCodelist

Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.15	
Opties		

TestUitslagStatusCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.15**		
Concept Name	**Concept Code**	**CodeSys. Name**	**CodeSystem OID**	**Description**
Pending	pending	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Uitslag volgt
Preliminary	preliminary	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Voorlopig
Final	final	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Definitief
Appended	appended	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Aanvullend
Corrected	corrected	ResultaatStatus	2.16.840.1.113883.2.4.3.11.60.40.4.16.1	Gecorrigeerd

«document»	InterpretationMethodCodelist
Definitie	
Datatype	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.14
Opties	

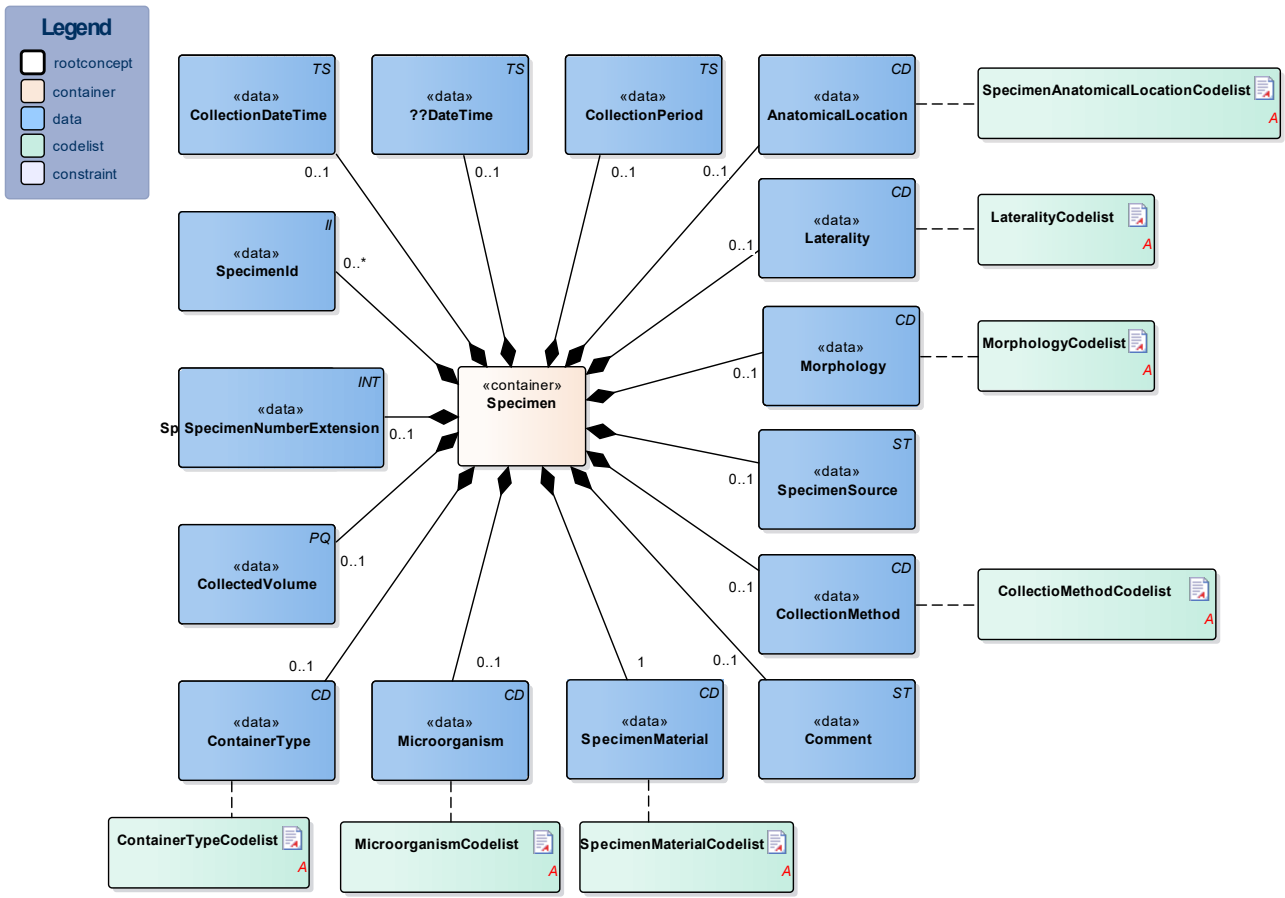
InterpretatieMethodeCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.14**		
Concept Name	**Concept Code**	**CodeSystem Name**	**CodeSystem OID**	**Description**
EUCAST	tbd	SNOMED CT	2.16.840.1.113883.6.96	EUCAST

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	ResultFlagsCodelist
Definitie	
Datatype	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.7
Opties	

InterpretatieVlaggenCodelijst			**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.7**	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Above reference range	281302008	SNOMED CT	2.16.840.1.113883.6.96	Boven referentiewaarde
Below reference range	281300000	SNOMED CT	2.16.840.1.113883.6.96	Onder referentiewaarde
Intermediate	11896004	SNOMED CT	2.16.840.1.113883.6.96	Intermediair
Resistant	30714006	SNOMED CT	2.16.840.1.113883.6.96	Resistent
Susceptible	131196009	SNOMED CT	2.16.840.1.113883.6.96	Sensitief

1.7.2 Monster



«container»	Specimen	
Definitie	Container of the Specimen concept. This container contains all data elements of the Specimen concept.	
Datatype		
DCM::ConceptId	NL-CM:13.1.2	
DCM::DefinitionCode	SNOMED CT: 123038009 monster	
Opties		

«data»	SpecimenId	
Definitie	Identification number of the material obtained, as a reference for inquiries to the source organization. In a transmural setting, this number will consist of a specimen number including the identification of the issuing organization, to be unique outside of the borders of an organization.	
Datatype	II	
DCM::ConceptId	NL-CM:13.1.15	
Opties		

«data»	SpecimenNumberExtension
Definitie	The specimen number extension is used when the collected material is distributed from the original tube or container across multiple tubes. In combination with the specimen Id the extension yield a unique

	identification of the tube or container	
Datatype	INT	
DCM::ConceptId	NL-CM:13.1.20	
Opties		

«data»	ContainerType	
Definitie	Container type describes the envelope in which the material is collected or sent. Examples include blood tubes, transport container, possibly including culture medium.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.21	
DCM::ValueSet	ContainerTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.9
Opties		

«data»	SpecimenMaterial	
Definitie	SpecimenMaterial describes the material obtained. If the LOINC test code also implicitly describes a material, this element may not conflict with the description. If desired, this component can provide a more detailed description of the material: LOINC codes only contain the materials at a main level. This is in line with the agreements made in the IHE/Nictiz program e-Lab. If the test is carried out on derived material (such as plasma), this element will still contain the material drawn (in this case, blood). In this case, the LOINC code will generally refer to plasma.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.16	
DCM::DefinitionCode	SNOMED CT: 370133003 Specimen substance	
DCM::ExampleValue	Urine	
DCM::ValueSet	SpecimenMaterialCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.6
Opties		

«data»	Microorganism	
Definitie	In particular in microbiological determinations the subject of the test is an isolate of certain microorganism rather then a material. This concept provides the ability to capture information about this microorganism.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.22	
DCM::ValueSet	MicroorganismCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.10
Opties		

«data»	CollectedVolume
Definitie	Total volume of the collected material. If it is necessary to determine the absolute amount of a particular substance in the collected material, the volume thereof must be given.
Datatype	PQ

DCM::ConceptId	NL-CM:13.1.23	
Opties		

«data»	CollectionPeriod	
Definitie	If the material has not been collected at a single point in time but over a certain period, this period can be captured in this concept. An example is 24 hour urine.	
Datatype	TS	
DCM::ConceptId	NL-CM:13.1.24	
Opties		

«data»	CollectionDateTime	
Definitie	Time at which the material was collected.	
Datatype	TS	
DCM::ConceptId	NL-CM:13.1.17	
DCM::DefinitionCode	SNOMED CT: 399445004 specimen collection date	
DCM::ExampleValue	10-07-2012 17:20	
Opties		

«data»	??DateTime	
Definitie	Date and time that the material is handed over at the laboratory or specimen collection center. This is the issue with material that is collected by the patient himself.	
Datatype	TS	
DCM::ConceptId	NL-CM:13.1.25	
Opties		

«data»	CollectionMethod	
Definitie	If relevant for the results, the method of obtaining the specimen can be entered as well.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.18	
DCM::DefinitionCode	SNOMED CT: 118171006 Specimen procedure	
DCM::ExampleValue	Midstream	
DCM::ValueSet	CollectioMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.2
Opties		

«data»	AnatomicalLocation	
Definitie	Anatomic location where the material is collected, *e.g.* elbow	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.26	
DCM::DefinitionCode	SNOMED CT: 405814001 Procedure site - Indirect	
DCM::ValueSet	SpecimenAnatomicalLocationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.11
Opties		

«data»	Laterality	
Definitie	Laterality adds information about body side to the anatomic location, *e.g.* left	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.27	
DCM::DefinitionCode	SNOMED CT: 272741003 Laterality	
DCM::ValueSet	LateralityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.12
Opties		

«data»	Morphology	
Definitie	Morphology describes morphological abnormalities of the anatomical location where the material is taken, for example wound, ulcer.	
Datatype	CD	
DCM::ConceptId	NL-CM:13.1.28	
DCM::DefinitionCode	SNOMED CT: 118168003 Specimen source morphology	
DCM::ValueSet	MorphologyCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.13
Opties		

«data»	SpecimenSource	
Definitie	If the material is not collected directly from the patient but comes from a patient-related object, *e.g.* a cathetertip, this source of material can be recorded here.	
Datatype	ST	
DCM::ConceptId	NL-CM:13.1.29	
DCM::DefinitionCode	SNOMED CT: 127454002 Device specimen	
Opties		

«data»	Comment	
Definitie	Comments on administering the test, such as drawing material after a (glucose) stimulus or taking medicine.	
Datatype	ST	
DCM::ConceptId	NL-CM:13.1.19	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::ExampleValue	Na (glucose)stimulus	
Opties		

«document»	SpecimenMaterialCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.6	
Opties		

MonstermateriaalCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.6

Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 105590001 |substantie|	SNOMED CT	2.16.840.1.113883.6.96

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	ContainerTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.9	
Opties		

ContainerTypeCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.9	
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 434711009 |Specimen container (physical object)|	SNOMED CT	2.16.840.1.113883.6.96

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	MicroorganismCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.10	
Opties		

MicroorganismeCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.10	
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: ^2581000146104 |simpele referentieset voor micro-organismen (foundation metadata concept)|	SNOMED CT	2.16.840.1.113883.6.96

«document»	CollectioMethodCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.2	
Opties		

AfnameprocedureCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.2
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: <17636008 | specimen collection |	SNOMED CT	2.16.840.1.113883.6.96

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

«document»	SpecimenAnatomicalLocationCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.11	
Opties		

MonsterAnatomischeLocatieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.11
Codes	Coding Syst. Name	Coding System OID

SNOMED CT: < 442083009 |Anatomical or acquired body structure|	SNOMED CT	2.16.840.1.113883.6.96

«document»	LateralityCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.12	
Opties		

LateraliteitCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.12		
Concept Name	**Concept Code**	**CodeSys. Name**	**CodeSystem OID**	**Description**
Left	7771000	SNOMED CT	2.16.840.1.113883.6.96	Links
Right	24028007	SNOMED CT	2.16.840.1.113883.6.96	Rechts
Right and left	51440002	SNOMED CT	2.16.840.1.113883.6.96	Rechts en links

«document»	MorphologyCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.13.1.13	
Opties		

MorfologieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.13.1.13
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 49755003 |Morphologically abnormal structure|	SNOMED CT	2.16.840.1.113883.6.96

Specifiekere waardenlijsten zullen op termijn opgeleverd worden door het project "Lab-Terminologie"

1.8 Example Instances

LaboratoriumUitslag									
Resultaat Type	**Resultaat Status**	**Monster**		**LaboratoriumTest**					
		Monster materiaal	**Afname DatumTijd**	**TestNaam**	**Test DatumTijd**	**Uitslag**	**Referentie Ondergrens**	**Referentie Bovengrens**	**Resultaat Vlaggen**
Klinische chemie	Definitief	Bloed	12-06-2012 09:00	Natrium	12-06-2012 13:15	138 mmol/l	136 mmol/l	146 mmol/l	

LaboratoriumUitslag									
Resultaat Type	**Resultaat Status**	**Monster**		**LaboratoriumTest**					
		Monster materiaal	**Afname DatumTijd**	**TestNaam**	**Test DatumTijd**	**Uitslag**	**Referentie Ondergrens**	**Referentie Bovengrens**	**Resultaat Vlaggen**
Klinische chemie	Definitief	Bloed	23-05-2012 08:08	Chloride	23-05-2012 12:00	109 mmol/l	99 mmol/l	108 mmol/l	Boven referentie-waarde

LaboratoriumUitslag									
Resultaat Type	**Resultaat Status**	**Monster**		**LaboratoriumTest**					
		Monster materiaal	**Afname DatumTijd**	**TestNaam**	**Test DatumTijd**	**Uitslag**	**Referentie Ondergrens**	**Referentie Bovengrens**	**Resultaat Vlaggen**
Virologie	Definitief	Bloed	16-01-2012 08:00	Hepatitis A IgM	16-01-2012 10:12	Negatief			

1.9 Instructions

1.10 Interpretation

1.11 Care Process

1.12 Example of the Instrument

1.13 Constraints

1.14 Issues

1.15 References

1. Nederlandse Vereniging voor Medische Microbiologie (2010) *ELab en EvT.* [Online] Beschikbaar op: http://www.nvmm.nl/ict/vereniging/werkgroepen_commissies/elab-en-evt [Geraadpleegd: 23 juli 2014].

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

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