

### Description

The Laboratory Test Compendium from Century Hospital Clinical Laboratory is a subset of their Directory of Services. It is based upon the most commonly ordered lab tests by Dr. Radon. This compendium is being used by Dr. Nicholas Radon's practice EHR-S to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital has made the following changes to their test compendium:

- Added a Lipid Panel and its related components
- Added a Measured Low density lipoprotein cholesterol, serum (LDL) test
- Deactivated a serology test for Saint Luis Encephalitis IgG Antibody
- Revised the text for interpretation of Urine Glucose test results.

Century Hospital's LIS transmits the appropriate eDOS update messages with these changes to Dr. Radon's EHR.

### Comments

Combination of update changes including addition, revision and deactivation of information about individual observations..

### PreCondition

EDOS\_1.0\_1.1-M08\_New  
and  
EDOS\_1.0\_2.1-M10\_New  
and  
EDOS\_1.0\_3.1-M04\_New  
and  
EDOS\_1.0\_4.1-M18\_New\_Approved  
and  
EDOS\_1.0\_5.1-M18\_New\_Limited  
have been uploaded.

### PostCondition

eDOS M08 data elements are incorporated appropriately into the EHR-S.

### TestObjectives

- Demonstrate capability to support a M08 update message - action: combination of addition, de-activation and revision
- Demonstrate capability to support the repeating field in OM1-31 (Observations Required to Interpret the Observation), OM1-32 (Interpretation of Observations), OM1-40 (Service/Test/Observation Performance Schedule), OM4-3 (Container Description), OM4-4 (Container Volume), and OM4-5 (Container Units).
- Demonstrate capability to support repeating segments for OM4.

## Test Case Information

## EDOS\_2.4\_1.1-M08-NG - M08\_Update\_combo

Test Case ID

EDOS\_2.4\_1.1-M08\_NG

## MSH

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~&#	IG Fixed Data
MSH.3	Sending Application		
MSH.3.1	Namespace ID	NIST Test Lab APP	Configurable Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	NIST Lab Facility	Configurable Data
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20130421113601-0700	System Generated
MSH.9	Message Type		
MSH.9.1	Message Code	MFN	IG Fixed Data
MSH.9.2	Trigger Event	M08	IG Fixed Data
MSH.9.3	Message Structure	MFN_M08	IG Fixed Data
MSH.10	Message Control ID	EDOS_2.4_1.1-M08-NG	System Generated
MSH.11	Processing ID		
MSH.11.1	Processing ID	D	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	EDOS_Common_Component	Test Case Fixed Data
MSH.21.2	Namespace ID	EDOS Base Profile	Changeable Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.67	Test Case Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data
MSH.21[2]	Message Profile Identifier		
MSH.21[2].1	Entity Identifier	EDOS_NG_Component	Test Case Fixed Data
MSH.21[2].2	Namespace ID	EDOS NG Profile	Changeable Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.69	Test Case Fixed Data
MSH.21[2].4	Universal ID Type	ISO	IG Fixed Data

## MFI

Location	Data Element	Data	Categorization
MFI.1	Master File Identifier		
MFI.1.1	Identifier	OMM	IG Fixed Data
MFI.1.2	Text	Mixed type observation master file	Changeable Data
MFI.1.3	Name of Coding System	HL70175	IG Fixed Data
MFI.1.7	Coding System Version ID	2.5.1	Test Case Fixed Data
MFI.3	File-Level Event Code	UPD	Test Case Fixed Data
MFI.6	Response Level Code	NE	IG Fixed Data

## MFE

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MDC	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1305	Changeable Data
MFE.4.2	Text	SLE IgG Titer Serum	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data

MFE.4.7	Coding System Version ID	20130421	Changeable Data
Location	Data Element	Data	Categorization
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

#### OM1

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1305	Changeable Data
OM1.2.2	Text	SLE IgG Titer Serum	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	22512-8	Test Case Fixed Data
OM1.7.2	Text	Saint Louis encephalitis virus IgG Ab [Titer] in Serum	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Saint Luis Virus IgG	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling.	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	22512-8	Test Case Fixed Data
OM1.56.2	Text	Saint Louis encephalitis virus IgG Ab [Titer] in Serum	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	1305	Changeable Data
OM1.56.5	Alternate Text	SLE IgG Titer Serum	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.57	Expected Turn-Around Time		
OM1.57.1	Quantity	2	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

#### OM4

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM4.3	Container Description	Gold Serum Separator tube	Changeable Data
OM4.3[2]	Container Description	Red, No Additive tube	Changeable Data
OM4.4	Container Volume	5.0	Changeable Data
OM4.4[2]	Container Volume	5.0	Changeable Data
OM4.5	Container Units		

Location	Data Element	Data	Categorization
OM4.5.1	Identifier	mL	Changeable Data
OM4.5.2	Text	milliliter	Changeable Data
OM4.5.3	Name of Coding System	UCUM	Changeable Data
OM4.5.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.5[2]</b>	<b>Container Units</b>		
OM4.5[2].1	Identifier	mL	Changeable Data
OM4.5[2].2	Text	milliliter	Changeable Data
OM4.5[2].3	Name of Coding System	UCUM	Changeable Data
OM4.5[2].7	Coding System Version ID	1.8	Changeable Data
<b>OM4.6</b>	<b>Specimen</b>		
OM4.6.1	Identifier	119364003	Test Case Fixed Data
OM4.6.2	Text	Serum specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	201509-US Ed	Changeable Data
<b>OM4.10</b>	<b>Normal Collection Volume</b>		
OM4.10.1	Quantity	1	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	milliliter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	IG Fixed Data
<b>OM4.11</b>	<b>Minimum Collection Volume</b>		
OM4.11.1	Quantity	0.5	Changeable Data
OM4.11.2	Units		
OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	milliliter	Changeable Data
OM4.11.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.11.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.12</b>	<b>Specimen Requirements</b>	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.	Changeable Data
<b>OM4.15</b>	<b>Specimen Handling Code</b>		
OM4.15.1	Identifier	REF	Changeable Data
OM4.15.2	Text	Refrigerated temperature	Changeable Data
OM4.15.3	Name of Coding System	HL70376	IG Fixed Data
OM4.15.7	Coding System Version ID	2.5.1	Changeable Data
<b>OM4.16</b>	<b>Specimen Preference</b>	P	Test Case Fixed Data

#### MFE

Location	Data Element	Data	Categorization
<b>MFE.1</b>	<b>Record-Level Event Code</b>	MAD	Test Case Fixed Data
<b>MFE.3</b>	<b>Effective Date/Time</b>		
MFE.3.1	Time	20131219145310	System Generated
<b>MFE.4</b>	<b>Primary Key Value - MFE</b>		
MFE.4.1	Identifier	408	Changeable Data
MFE.4.2	Text	Triglycerides, serum	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
<b>MFE.5</b>	<b>Primary Key Value Type</b>	CWE	IG Fixed Data

#### OM1

Location	Data Element	Data	Categorization
<b>OM1.1</b>	<b>Sequence Number - Test/Observation Master File</b>	2	IG Fixed Data
<b>OM1.2</b>	<b>Producer's Service/Test/Observation ID</b>		
OM1.2.1	Identifier	408	Changeable Data
OM1.2.2	Text	Triglycerides, serum	Changeable Data

Location	Data Element	Data	Categorization
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	Y	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2103	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	2571-8	Test Case Fixed Data
OM1.7.2	Text	Triglyceride [Mass/volume] in Serum or Plasma	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Triglyceride - Serum	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.32	Interpretation of Observations	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.	Changeable Data
OM1.37	Patient Preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling., gross hemolysis, warm sample	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	daily	Changeable Data
OM1.40[2]	Service/Test/Observation Performance Schedule	continuously	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	2571-8	Changeable Data
OM1.56.2	Text	Triglyceride [Mass/volume] in Serum or Plasma	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	408	Changeable Data
OM1.56.5	Alternate Text	Triglycerides, serum	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.57	Expected Turn-Around Time		
OM1.57.1	Quantity	1	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1902	Changeable Data
OMC.4.2	Text	Fasting Status	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	49541-6	Test Case Fixed Data

Location	Data Element	Data	Categorization
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
<b>OMC.5</b>	<b>Collection Event/Process Step</b>		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-13	Test Case Fixed Data
OMC.6.2	Text	Relevant Clinical Information	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.6.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"	
<b>OMC.9</b>	<b>Type of Answer</b>	CWE	Test Case Fixed Data
<b>OMC.11</b>	<b>Answer Choices</b>		
OMC.11.1	Identifier	F	Test Case Fixed Data
OMC.11.2	Text	Patient was fasting prior to the procedure	Test Case Fixed Data
OMC.11.3	Name of Coding System	HL70916	Test Case Fixed Data
<b>OMC.11[2]</b>	<b>Answer Choices</b>		
OMC.11[2].1	Identifier	NF	Test Case Fixed Data
OMC.11[2].2	Text	The patient indicated they did not fast prior to the procedure	Test Case Fixed Data
OMC.11[2].3	Name of Coding System	HL70916	Test Case Fixed Data
<b>OMC.11[3]</b>	<b>Answer Choices</b>		
OMC.11[3].1	Identifier	U	Test Case Fixed Data
OMC.11[3].2	Text	Unknown	Test Case Fixed Data
OMC.11[3].3	Name of Coding System	HL70353	Test Case Fixed Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1907	Changeable Data
OMC.4.2	Text	If DOB not available, what is patient age?	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	30525-0	Test Case Fixed Data
OMC.4.5	Alternate Text	Age	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
<b>OMC.5</b>	<b>Collection Event/Process Step</b>		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.5.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-OBX	Test Case Fixed Data
OMC.6.2	Text	OBX segment following an OBR segment	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)	Changeable Data
<b>OMC.9</b>	<b>Type of Answer</b>	NM	Test Case Fixed Data

Location	Character Location	Data Element	6	Data	Changeable Data
OMC.13		Number of Decimals	2		Changeable Data

#### MFE

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	404	Changeable Data
MFE.4.2	Text	High density lipoprotein cholesterol, serum (HDL)	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

#### OM1

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	3	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	404	Changeable Data
OM1.2.2	Text	High density lipoprotein cholesterol, serum (HDL)	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	Y	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2103	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	2085-9	Test Case Fixed Data
OM1.7.2	Text	Cholesterol in HDL [Mass/volume] in Serum or Plasma	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	HDL Cholesterol - Serum	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.32	Interpretation of Observations	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.	Changeable Data
OM1.37	Patient Preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling, gross hemolysis, warm sample	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	daily	Changeable Data
	Service/Test/Observation Performance		



Location	Schedule	Data Element	Data	Categorization
OM1.48	Exclusive Test		N	Changeable Data
OM1.49	Diagnostic Service Sector ID		LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID			
OM1.56.1	Identifier		2085-9	Changeable Data
OM1.56.2	Text		Cholesterol in HDL [Mass/volume] in Serum or Plasma	Changeable Data
OM1.56.3	Name of Coding System		LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier		404	Changeable Data
OM1.56.5	Alternate Text		High density lipoprotein cholesterol, serum (HDL)	Changeable Data
OM1.56.6	Name of Alternate Coding System		99USL	Changeable Data
OM1.57	Expected Turn-Around Time			
OM1.57.1	Quantity		1	Changeable Data
OM1.57.2	Units			
OM1.57.2.2	Text		day	Changeable Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1902	Changeable Data
OMC.4.2	Text	Fasting Status	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	49541-6	Test Case Fixed Data
OMC.4.5	Alternate Text	Fasting Status	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
OMC.5	Collection Event/Process Step		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.6	Communication Location		
OMC.6.1	Identifier	OBR-13	Test Case Fixed Data
OMC.6.2	Text	Relevant Clinical Information	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.6.7	Coding System Version ID	2.8.2	Test Case Fixed Data
OMC.7	Answer Required	Y	Changeable Data
OMC.8	Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"	
OMC.9	Type of Answer	CWE	Test Case Fixed Data
OMC.11	Answer Choices		
OMC.11.1	Identifier	F	Test Case Fixed Data
OMC.11.2	Text	Patient was fasting prior to the procedure	Test Case Fixed Data
OMC.11.3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[2]	Answer Choices		
OMC.11[2].1	Identifier	NF	Test Case Fixed Data
OMC.11[2].2	Text	The patient indicated they did not fast prior to the procedure	Test Case Fixed Data
OMC.11[2].3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[3]	Answer Choices		
OMC.11[3].1	Identifier	U	Test Case Fixed Data
OMC.11[3].2	Text	Unknown	Test Case Fixed Data
OMC.11[3].3	Name of Coding System	HL70353	Test Case Fixed Data



OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1907	Changeable Data
OMC.4.2	Text	If DOB not available, what is patient age?	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	30525-0	Test Case Fixed Data
OMC.4.5	Alternate Text	Age	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
<b>OMC.5</b>	<b>Collection Event/Process Step</b>		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.5.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-OBX	Test Case Fixed Data
OMC.6.2	Text	OBX segment following an OBR segment	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)	Changeable Data
<b>OMC.9</b>	<b>Type of Answer</b>	NM	Test Case Fixed Data
<b>OMC.12</b>	<b>Character Limit</b>	6	Changeable Data
<b>OMC.13</b>	<b>Number of Decimals</b>	2	Changeable Data

MFE

Location	Data Element	Data	Categorization
<b>MFE.1</b>	<b>Record-Level Event Code</b>	MAD	Test Case Fixed Data
<b>MFE.3</b>	<b>Effective Date/Time</b>		
MFE.3.1	Time	20131219145310	System Generated
<b>MFE.4</b>	<b>Primary Key Value - MFE</b>		
MFE.4.1	Identifier	402	Changeable Data
MFE.4.2	Text	Cholesterol (total), serum	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
<b>MFE.5</b>	<b>Primary Key Value Type</b>	CWE	IG Fixed Data

OM1

Location	Data Element	Data	Categorization
<b>OM1.1</b>	<b>Sequence Number - Test/Observation Master File</b>	4	IG Fixed Data
<b>OM1.2</b>	<b>Producer's Service/Test/Observation ID</b>		
OM1.2.1	Identifier	402	Changeable Data
OM1.2.2	Text	Cholesterol (total), serum	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
<b>OM1.4</b>	<b>Specimen Required</b>	Y	Changeable Data
<b>OM1.5</b>	<b>Producer ID</b>		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2103	Changeable Data
	<b>Other Service/Test/Observation IDs</b>		

Location	Data Element	Data	Categorization
OM1.7.1	Identifier	2093-3	Test Case Fixed Data
OM1.7.2	Text	Cholesterol [Mass/volume] in Serum or Plasma	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Total Cholesterol - Serum	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.32	Interpretation of Observations	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.	Changeable Data
OM1.37	Patient Preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling., gross hemolysis, warm sample	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	daily	Changeable Data
OM1.40[2]	Service/Test/Observation Performance Schedule	continuously	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	2093-3	Changeable Data
OM1.56.2	Text	Cholesterol [Mass/volume] in Serum or Plasma	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	402	Changeable Data
OM1.56.5	Alternate Text	Cholesterol (total), serum	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.57	Expected Turn-Around Time		
OM1.57.1	Quantity	1	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1902	Changeable Data
OMC.4.2	Text	Fasting Status	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	49541-6	Test Case Fixed Data
OMC.4.5	Alternate Text	Fasting Status	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
OMC.5	Collection Event/Process Step		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.6	Communication Location		

Location	Data Element	Data	Categorization
OMC.6.2	Text	Relevant Clinical Information	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.6.7	Coding System Version ID	2.8.2	Test Case Fixed Data
OMC.7	Answer Required	Y	Changeable Data
OMC.8	Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"	
OMC.9	Type of Answer	CWE	Test Case Fixed Data
OMC.11	Answer Choices		
OMC.11.1	Identifier	F	Test Case Fixed Data
OMC.11.2	Text	Patient was fasting prior to the procedure	Test Case Fixed Data
OMC.11.3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[2]	Answer Choices		
OMC.11[2].1	Identifier	NF	Test Case Fixed Data
OMC.11[2].2	Text	The patient indicated they did not fast prior to the procedure	Test Case Fixed Data
OMC.11[2].3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[3]	Answer Choices		
OMC.11[3].1	Identifier	U	Test Case Fixed Data
OMC.11[3].2	Text	Unknown	Test Case Fixed Data
OMC.11[3].3	Name of Coding System	HL70353	Test Case Fixed Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1907	Changeable Data
OMC.4.2	Text	If DOB not available, what is patient age?	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	30525-0	Test Case Fixed Data
OMC.4.5	Alternate Text	Age	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
OMC.5	Collection Event/Process Step		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.5.7	Coding System Version ID	2.8.2	Test Case Fixed Data
OMC.6	Communication Location		
OMC.6.1	Identifier	OBR-OBX	Test Case Fixed Data
OMC.6.2	Text	OBX segment following an OBR segment	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.7	Answer Required	Y	Changeable Data
OMC.8	Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)	Changeable Data
OMC.9	Type of Answer	NM	Test Case Fixed Data
OMC.12	Character Limit	6	Changeable Data
OMC.13	Number of Decimals	2	Changeable Data

#### OM2

Location	Data Element	Data	Categorization
OM2.1	Sequence Number - Test/Observation Master File	4	IG Fixed Data
OM2.2	Units of Measure		
OM2.2.1	Identifier	mg/dL	Changeable Data
OM2.2.2	Text	milligram per deciliter	Changeable Data

Location	Data Element	Data	Categorization
OM2.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM2.6</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6.1	Numeric Range		
OM2.6.1.1	Low Value	170	Changeable Data
OM2.6.1.2	High Value	199	Changeable Data

#### MFE

Location	Data Element	Data	Categorization
<b>MFE.1</b>	<b>Record-Level Event Code</b>	MAD	Test Case Fixed Data
<b>MFE.3</b>	<b>Effective Date/Time</b>		
MFE.3.1	Time	20131219145310	System Generated
<b>MFE.4</b>	<b>Primary Key Value - MFE</b>		
MFE.4.1	Identifier	406	Changeable Data
MFE.4.2	Text	Low density lipoprotein cholesterol, serum (LDL)	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
<b>MFE.5</b>	<b>Primary Key Value Type</b>	CWE	IG Fixed Data

#### OM1

Location	Data Element	Data	Categorization
<b>OM1.1</b>	<b>Sequence Number - Test/Observation Master File</b>	5	IG Fixed Data
<b>OM1.2</b>	<b>Producer's Service/Test/Observation ID</b>		
OM1.2.1	Identifier	406	Changeable Data
OM1.2.2	Text	Low density lipoprotein cholesterol, serum (LDL)	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
<b>OM1.4</b>	<b>Specimen Required</b>	Y	Changeable Data
<b>OM1.5</b>	<b>Producer ID</b>		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2103	Changeable Data
<b>OM1.7</b>	<b>Other Service/Test/Observation IDs for the Observation</b>		
OM1.7.1	Identifier	13457-7	Test Case Fixed Data
OM1.7.2	Text	Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
<b>OM1.9</b>	<b>Preferred Report Name for the Observation</b>	LDL Cholesterol - Serum (calculated)	Changeable Data
<b>OM1.12</b>	<b>Orderability</b>	N	Test Case Fixed Data
<b>OM1.18</b>	<b>Nature of Service/Test/Observation</b>	C	Test Case Fixed Data
<b>OM1.32</b>	<b>Interpretation of Observations</b>	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.	Changeable Data
<b>OM1.37</b>	<b>Patient Preparation</b>	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the	Changeable Data

Location	Data Element	specimen is drawn-Data	Categorization
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling, gross hemolysis, warm sample	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	daily	Changeable Data
OM1.40[2]	Service/Test/Observation Performance Schedule	continuously	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	13457-7	Changeable Data
OM1.56.2	Text	Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	406	Changeable Data
OM1.56.5	Alternate Text	Low density lipoprotein cholesterol, serum (LDL)	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.57	Expected Turn-Around Time		
OM1.57.1	Quantity	1	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1902	Changeable Data
OMC.4.2	Text	Fasting Status	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	49541-6	Test Case Fixed Data
OMC.4.5	Alternate Text	Fasting Status	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
OMC.5	Collection Event/Process Step		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.6	Communication Location		
OMC.6.1	Identifier	OBR-13	Test Case Fixed Data
OMC.6.2	Text	Relevant Clinical Information	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.6.7	Coding System Version ID	2.8.2	Test Case Fixed Data
OMC.7	Answer Required	Y	Changeable Data
OMC.8	Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"	
OMC.9	Type of Answer	CWE	Test Case Fixed Data
OMC.11	Answer Choices		
OMC.11.1	Identifier	F	Test Case Fixed Data
OMC.11.2	Text	Patient was fasting prior to the procedure	Test Case Fixed Data
OMC.11.3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[2]	Answer Choices		
OMC.11[2].1	Identifier	NF	Test Case Fixed Data
OMC.11[2].2	Text	The patient indicated they did not fast prior to the procedure	Test Case Fixed Data
OMC.11[2].3	Name of Coding System	HL70916	Test Case Fixed Data
OMC.11[3]	Answer Choices		

Location	Data Element	Data	Categorization
OMC.11[3].2	Text	Unknown	Test Case Fixed Data
OMC.11[3].3	Name of Coding System	HL70353	Test Case Fixed Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1907	Changeable Data
OMC.4.2	Text	If DOB not available, what is patient age?	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	30525-0	Test Case Fixed Data
OMC.4.5	Alternate Text	Age	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
<b>OMC.5</b>	<b>Collection Event/Process Step</b>		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.5.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-OBX	Test Case Fixed Data
OMC.6.2	Text	OBX segment following an OBR segment	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)	Changeable Data
<b>OMC.9</b>	<b>Type of Answer</b>	NM	Test Case Fixed Data
<b>OMC.12</b>	<b>Character Limit</b>	6	Changeable Data
<b>OMC.13</b>	<b>Number of Decimals</b>	2	Changeable Data

#### OM2

Location	Data Element	Data	Categorization
<b>OM2.1</b>	<b>Sequence Number - Test/Observation Master File</b>	5	IG Fixed Data
<b>OM2.2</b>	<b>Units of Measure</b>		
OM2.2.1	Identifier	mg/dL	Changeable Data
OM2.2.2	Text	milligram per deciliter	Changeable Data
OM2.2.3	Name of Coding System	UCUM	Changeable Data
OM2.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM2.6</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6.1	Numeric Range		
OM2.6.1.1	Low Value	110	Changeable Data
OM2.6.1.2	High Value	129	Changeable Data
<b>OM2.6[2]</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6[2].1	Numeric Range		
OM2.6[2].1.1	Low Value	100	Changeable Data
OM2.6[2].1.2	High Value	159	Changeable Data

#### MFE

Location	Data Element	Data	Categorization
<b>MFE.1</b>	<b>Record-Level Event Code</b>	MAD	Test Case Fixed Data
<b>MFE.3</b>	<b>Effective Date/Time</b>		
MFE.3.1	Time	20131219145310	System Generated
<b>MFE.4</b>	<b>Primary Key Value - MFE</b>		



Location	Identifier	Data Element	410	Data	Changeable Data	Categorization
MFE.4.2		Text		Low density lipoprotein cholesterol, serum (LDL) - measured		Changeable Data
MFE.4.3		Name of Coding System		99USL		Changeable Data
MFE.4.7		Coding System Version ID		20130421		Changeable Data
MFE.5		Primary Key Value Type		CWE		IG Fixed Data

# OM1

Location	Identifier	Data Element	410	Data	Changeable Data	Categorization
OM1.1		Sequence Number - Test/Observation Master File	6			IG Fixed Data
OM1.2		Producer's Service/Test/Observation ID				
OM1.2.1		Identifier	410			Changeable Data
OM1.2.2		Text		Low density lipoprotein cholesterol, serum (LDL) - measured		Changeable Data
OM1.2.3		Name of Coding System		99USL		Changeable Data
OM1.2.7		Coding System Version ID		20130421		Changeable Data
OM1.4		Specimen Required		Y		Changeable Data
OM1.5		Producer ID				
OM1.5.1		Identifier		05D0669071		Changeable Data
OM1.5.2		Text		Century Hospital Clinical Laboratory		Changeable Data
OM1.5.3		Name of Coding System		99USL		Changeable Data
OM1.5.7		Coding System Version ID		2103		Changeable Data
OM1.7		Other Service/Test/Observation IDs for the Observation				
OM1.7.1		Identifier		18262-6		Test Case Fixed Data
OM1.7.2		Text		Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay		Changeable Data
OM1.7.3		Name of Coding System		LN		Test Case Fixed Data
OM1.9		Preferred Report Name for the Observation		LDL Cholesterol - Serum (direct)		Changeable Data
OM1.12		Orderability		Y		Test Case Fixed Data
OM1.18		Nature of Service/Test/Observation		A		Test Case Fixed Data
OM1.32		Interpretation of Observations		Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.		Changeable Data
OM1.37		Patient Preparation		Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.		Changeable Data
OM1.39		Factors that may Affect the Observation		Insufficient specimen, Improper labeling., gross hemolysis, warm sample		Changeable Data
OM1.40		Service/Test/Observation Performance Schedule		daily		Changeable Data
OM1.40[2]		Service/Test/Observation Performance Schedule		continuously		Changeable Data
OM1.48		Exclusive Test		N		Changeable Data
OM1.49		Diagnostic Service Sector ID		LAB		Changeable Data
OM1.56		Observation Identifier associated with Producer's Service/Test/Observation ID				
OM1.56.1		Identifier		18262-6		Changeable Data
OM1.56.2		Text		Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay		Changeable Data



Location	Data Element	Data	Categorization
OM1.56.4	Alternate Identifier	410	Changeable Data
OM1.56.5	Alternate Text	Low density lipoprotein cholesterol, serum (LDL) - measured	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
<b>OM1.57</b>	<b>Expected Turn-Around Time</b>		
OM1.57.1	Quantity	1	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1902	Changeable Data
OMC.4.2	Text	Fasting Status	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	49541-6	Test Case Fixed Data
OMC.4.5	Alternate Text	Fasting Status	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data
<b>OMC.5</b>	<b>Collection Event/Process Step</b>		
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-13	Test Case Fixed Data
OMC.6.2	Text	Relevant Clinical Information	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
OMC.6.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"	
<b>OMC.9</b>	<b>Type of Answer</b>	CWE	Test Case Fixed Data
<b>OMC.11</b>	<b>Answer Choices</b>		
OMC.11.1	Identifier	F	Test Case Fixed Data
OMC.11.2	Text	Patient was fasting prior to the procedure	Test Case Fixed Data
OMC.11.3	Name of Coding System	HL70916	Test Case Fixed Data
<b>OMC.11[2]</b>	<b>Answer Choices</b>		
OMC.11[2].1	Identifier	NF	Test Case Fixed Data
OMC.11[2].2	Text	The patient indicated they did not fast prior to the procedure	Test Case Fixed Data
OMC.11[2].3	Name of Coding System	HL70916	Test Case Fixed Data
<b>OMC.11[3]</b>	<b>Answer Choices</b>		
OMC.11[3].1	Identifier	U	Test Case Fixed Data
OMC.11[3].2	Text	Unknown	Test Case Fixed Data
OMC.11[3].3	Name of Coding System	HL70353	Test Case Fixed Data

#### OMC

Location	Data Element	Data	Categorization
OMC.4.1	Identifier	1907	Changeable Data
OMC.4.2	Text	If DOB not available, what is patient age?	Changeable Data
OMC.4.3	Name of Coding System	99USL	Changeable Data
OMC.4.4	Alternate Identifier	30525-0	Test Case Fixed Data
OMC.4.5	Alternate Text	Age	Changeable Data
OMC.4.6	Name of Alternate Coding System	LN	Test Case Fixed Data
OMC.4.7	Coding System Version ID	20130421	Changeable Data
OMC.4.8	Alternate Coding System Version ID	2.52	Changeable Data

Location	Data Element	Data	Categorization
OMC.5.1	Identifier	DRW	Changeable Data
OMC.5.2	Text	Collecting the specimen	Changeable Data
OMC.5.3	Name of Coding System	HL70938	Test Case Fixed Data
OMC.5.7	Coding System Version ID	2.8.2	Test Case Fixed Data
<b>OMC.6</b>	<b>Communication Location</b>		
OMC.6.1	Identifier	OBR-OBX	Test Case Fixed Data
OMC.6.2	Text	OBX segment following an OBR segment	Test Case Fixed Data
OMC.6.3	Name of Coding System	HL70939	Test Case Fixed Data
<b>OMC.7</b>	<b>Answer Required</b>	Y	Changeable Data
<b>OMC.8</b>	<b>Hint/Help Text</b>	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)	Changeable Data
<b>OMC.9</b>	<b>Type of Answer</b>	NM	Test Case Fixed Data
<b>OMC.12</b>	<b>Character Limit</b>	6	Changeable Data
<b>OMC.13</b>	<b>Number of Decimals</b>	2	Changeable Data

## OM2

Location	Data Element	Data	Categorization
<b>OM2.1</b>	<b>Sequence Number - Test/Observation Master File</b>	6	IG Fixed Data
<b>OM2.2</b>	<b>Units of Measure</b>		
OM2.2.1	Identifier	mg/dL	Changeable Data
OM2.2.2	Text	milligram per deciliter	Changeable Data
OM2.2.3	Name of Coding System	UCUM	Changeable Data
OM2.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM2.6</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6.1	Numeric Range		
OM2.6.1.1	Low Value	110	Changeable Data
OM2.6.1.2	High Value	129	Changeable Data
<b>OM2.6[2]</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6[2].1	Numeric Range		
OM2.6[2].1.1	Low Value	100	Changeable Data
OM2.6[2].1.2	High Value	159	Changeable Data

## OM4

Location	Data Element	Data	Categorization
<b>OM4.1</b>	<b>Sequence Number - Test/Observation Master File</b>	6.1	IG Fixed Data
<b>OM4.3</b>	<b>Container Description</b>	Serum Gel Tube (SGT)	Changeable Data
<b>OM4.4</b>	<b>Container Volume</b>	8.5	Changeable Data
<b>OM4.5</b>	<b>Container Units</b>		
OM4.5.1	Identifier	mL	Changeable Data
OM4.5.2	Text	milliliter	Changeable Data
OM4.5.3	Name of Coding System	UCUM	Changeable Data
OM4.5.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.6</b>	<b>Specimen</b>		
OM4.6.1	Identifier	119364003	Test Case Fixed Data
OM4.6.2	Text	Serum specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	20130731	Changeable Data
<b>OM4.7</b>	<b>Additive</b>		
OM4.7.1	Identifier	SST	Changeable Data
OM4.7.2	Text	Serum Separator Tube (Polymer Gel)	Changeable Data
OM4.7.3	Name of Coding System	HL70371	Changeable Data

Location	Data Element	Data	Categorization
OM4.7.7	Coding System Version ID	2.5.1	Changeable Data
<b>OM4.10</b>	<b>Normal Collection Volume</b>		
OM4.10.1	Quantity	0.5	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	milliliter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	Changeable Data
OM4.10.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.11</b>	<b>Minimum Collection Volume</b>		
OM4.11.1	Quantity	0.25	Changeable Data
OM4.11.2	Units		
OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	milliliter	Changeable Data
OM4.11.2.3	Name of Coding System	UCUM	Changeable Data
OM4.11.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.12</b>	<b>Specimen Requirements</b>	Keep at room temperature	Changeable Data
<b>OM4.15</b>	<b>Specimen Handling Code</b>		
OM4.15.1	Identifier	AMB	Changeable Data
OM4.15.2	Text	Ambient temperature	Changeable Data
OM4.15.3	Name of Coding System	HL70376	Changeable Data
OM4.15.7	Coding System Version ID	2.5.1	Changeable Data
<b>OM4.16</b>	<b>Specimen Preference</b>	P	Test Case Fixed Data

#### OM4

Location	Data Element	Data	Categorization
<b>OM4.1</b>	<b>Sequence Number - Test/Observation Master File</b>	6.2	IG Fixed Data
<b>OM4.3</b>	<b>Container Description</b>	Red, No Additive tube	Changeable Data
<b>OM4.4</b>	<b>Container Volume</b>	10	Changeable Data
<b>OM4.5</b>	<b>Container Units</b>		
OM4.5.1	Identifier	mL	Changeable Data
OM4.5.2	Text	milliliter	Changeable Data
OM4.5.3	Name of Coding System	UCUM	Changeable Data
OM4.5.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.6</b>	<b>Specimen</b>		
OM4.6.1	Identifier	119364003	Test Case Fixed Data
OM4.6.2	Text	Serum specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	20130731	Changeable Data
<b>OM4.10</b>	<b>Normal Collection Volume</b>		
OM4.10.1	Quantity	0.5	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	milliliter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	Changeable Data
OM4.10.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.11</b>	<b>Minimum Collection Volume</b>		
OM4.11.1	Quantity	0.25	Changeable Data
OM4.11.2	Units		
OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	milliliter	Changeable Data
OM4.11.2.3	Name of Coding System	UCUM	Changeable Data
OM4.11.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.12</b>	<b>Specimen Requirements</b>	Keep at room temperature	Changeable Data
<b>OM4.15</b>	<b>Specimen Handling Code</b>		
OM4.15.1	Identifier	AMB	Changeable Data
OM4.15.2	Text	Ambient temperature	Changeable Data

Location	Data Element	Data	Categorization
OM4.15.2	Name of Coding System	HL70376	Changeable Data
OM4.15.7	Coding System Version ID	2.5.1	Changeable Data
OM4.16	Specimen Preference	P	Test Case Fixed Data

#### MFE

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MUP	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	326	Changeable Data
MFE.4.2	Text	Glucose, urine	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

#### OM1

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	7	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	326	Changeable Data
OM1.2.2	Text	Glucose, urine	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	Y	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	2349-9	Test Case Fixed Data
OM1.7.2	Text	Glucose [Presence] in Urine	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.7.7	Coding System Version ID	2.42	Changeable Data
OM1.11	Preferred Long Name for the Observation	Glucose, Semi quantitative, Urine	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.32	Interpretation of Observations	An elevated urine glucose concentration indicates the presence of hyperglycemia or disorders of proximal renal tubules.	Changeable Data
OM1.37	Patient Preparation	Collect random urine in a clean plastic container. Label the urine container with the patient's full name and the date and time of collection, refrigerate after collection.	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling., presence of preservatives, warm sample.	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	Daily	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	2349-9	Changeable Data

Location	Data Element	Data	Categorization
OM1.56.2	Text	Glucose [Presence in Urine]	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	326	Changeable Data
OM1.56.5	Alternate Text	Glucose, urine	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.56.7	Coding System Version ID	2.48	Changeable Data
OM1.56.8	Alternate Coding System Version ID	20130421	Changeable Data
<b>OM1.57</b>	<b>Expected Turn-Around Time</b>		
OM1.57.1	Quantity	1	Changeable Data
OM1.57.2	Units		
OM1.57.2.1	Identifier	d	Changeable Data
OM1.57.2.2	Text	day	Changeable Data
OM1.57.2.3	Name of Coding System	UCUM	Changeable Data
OM1.57.2.7	Coding System Version ID	1.8	Changeable Data

## OM2

Location	Data Element	Data	Categorization
<b>OM2.1</b>	<b>Sequence Number - Test/Observation Master File</b>	7	IG Fixed Data
<b>OM2.2</b>	<b>Units of Measure</b>		
OM2.2.1	Identifier	mg/dL	Changeable Data
OM2.2.2	Text	milligram per deciliter	Changeable Data
OM2.2.3	Name of Coding System	UCUM	Changeable Data
OM2.2.7	Coding System Version ID	1.8	Changeable Data
<b>OM2.6</b>	<b>Reference (Normal) Range for Ordinal and Continuous Observations</b>		
OM2.6.1	Numeric Range		
OM2.6.1.1	Low Value	0	Changeable Data
OM2.6.1.2	High Value	15	Changeable Data

## OM4

Location	Data Element	Data	Categorization
<b>OM4.1</b>	<b>Sequence Number - Test/Observation Master File</b>	7	IG Fixed Data
<b>OM4.3</b>	<b>Container Description</b>	Sterile, plastic, leak proof container	Changeable Data
<b>OM4.4</b>	<b>Container Volume</b>	4	Changeable Data
<b>OM4.5</b>	<b>Container Units</b>		
OM4.5.1	Identifier	[foz_us]	Changeable Data
OM4.5.2	Text	fluid ounce (US)	Changeable Data
OM4.5.3	Name of Coding System	UCUM	Changeable Data
OM4.5.7	Coding System Version ID	1.8	Changeable Data
<b>OM4.6</b>	<b>Specimen</b>		
OM4.6.1	Identifier	122575003	Test Case Fixed Data
OM4.6.2	Text	Urine specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.4	Alternate Identifier	UR	Changeable Data
OM4.6.5	Alternate Text	Random urine	Changeable Data
OM4.6.6	Name of Alternate Coding System	99USL	Changeable Data
OM4.6.7	Coding System Version ID	201509-US Ed	Changeable Data
OM4.6.8	Alternate Coding System Version ID	2014	Changeable Data
OM4.6.9	Original Text	Random urine	Changeable Data
<b>OM4.10</b>	<b>Normal Collection Volume</b>		
OM4.10.1	Quantity	20	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	milliliter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.10.2.7	Coding System Version ID	1.8	Changeable Data

OM4.11 Location	Minimum Collection Volume	Data Element	Data	Categorization
OM4.11.1	Quantity		4	Changeable Data
OM4.11.2	Units			
OM4.11.2.1	Identifier		mL	Changeable Data
OM4.11.2.2	Text		milliliter	Changeable Data
OM4.11.2.3	Name of Coding System		UCUM	IG Fixed Data
OM4.11.2.7	Coding System Version ID		1.8	Changeable Data
<b>OM4.12</b>	<b>Specimen Requirements</b>		Keep refrigerated	Changeable Data
<b>OM4.15</b>	<b>Specimen Handling Code</b>			
OM4.15.1	Identifier		REF	Changeable Data
OM4.15.2	Text		Refrigerated temperature	Changeable Data
OM4.15.3	Name of Coding System		HL70376	IG Fixed Data
OM4.15.7	Coding System Version ID		2.5.1	Changeable Data
<b>OM4.16</b>	<b>Specimen Preference</b>		P	Test Case Fixed Data

Element	Data
Identifier	OMM
Event code	UPD

Test Details - SLE IgG Titer Serum  
Record information

Element	Data
Event code	MDC
Effective date and time	20131219145310
Test/Panel Name	SLE IgG Titer Serum
Test/Panel identifier (code system)	1305 (99USL)

General information

Element	Data
Specimen required ?	N
Test/Panel other name	Saint Louis encephalitis virus IgG Ab [Titer] in Serum
Test/Panel other identifier (code system)	22512-8 (LN)
Preferred Report Name	Saint Luis Virus IgG
Is the test/panel orderable ?	Y
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

Specimen information details

Element	Data
Sequence ID	1
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Triglycerides, serum  
Record information

Element	Data
Event code	MAD



Effective date and time	20131219145310
Test/Panel Name	Triglycerides, serum
Test/Panel identifier (code system)	408 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Triglyceride [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2571-8 (LN)
Preferred Report Name	Triglyceride - Serum
Is the test/panel orderable ?	N
Nature	A
Interpretation	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.
Patient preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
Factors that may affect the test	Insufficient specimen, Improper labeling, gross hemolysis, warm sample
Schedule	daily
Schedule	continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y
Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

Ask at Order Entry questions

Element	Data
AOE question	If DOB not available, what is patient age?
AOE question (code & code system)	1907 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years

	for most tests)
Type of Answer	NM
Character Limit	6
Number of Decimals	2

Test Details - High density lipoprotein cholesterol, serum (HDL)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	High density lipoprotein cholesterol, serum (HDL)
Test/Panel identifier (code system)	404 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Cholesterol in HDL [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2085-9 (LN)
Preferred Report Name	HDL Cholesterol - Serum
Is the test/panel orderable ?	N
Nature	A
Interpretation	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.
Patient preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
Factors that may affect the test	Insufficient specimen, Improper labeling, gross hemolysis, warm sample
Schedule	daily
Schedule	continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y
Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

Ask at Order Entry questions

Element	Data
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AOE question	If DOB not available, what is patient age?
AOE question (code & code system)	1907 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)
Type of Answer	NM
Character Limit	6
Number of Decimals	2

#### Test Details - Cholesterol (total), serum

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Cholesterol (total), serum
Test/Panel identifier (code system)	402 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Cholesterol [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2093-3 (LN)
Preferred Report Name	Total Cholesterol - Serum
Is the test/panel orderable ?	N
Nature	A
Interpretation	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.
Patient preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
Factors that may affect the test	Insufficient specimen, Improper labeling, gross hemolysis, warm sample
Schedule	daily
Schedule	continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y

Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

#### Ask at Order Entry questions

Element	Data
AOE question	If DOB not available, what is patient age?
AOE question (code & code system)	1907 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)
Type of Answer	NM
Character Limit	6
Number of Decimals	2

#### Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)

#### Test Details - Low density lipoprotein cholesterol, serum (LDL)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Low density lipoprotein cholesterol, serum (LDL)
Test/Panel identifier (code system)	406 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation
Test/Panel other identifier (code system)	13457-7 (LN)
Preferred Report Name	LDL Cholesterol - Serum (calculated)
Is the test/panel orderable ?	N
Nature	C
Interpretation	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.
Patient preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
Factors that may affect the test	Insufficient specimen, Improper labeling, gross hemolysis, warm sample

Schedule	daily
Schedule	continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y
Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

Ask at Order Entry questions

Element	Data
AOE question	If DOB not available, what is patient age?
AOE question (code & code system)	1907 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)
Type of Answer	NM
Character Limit	6
Number of Decimals	2

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)

Test Details - Low density lipoprotein cholesterol, serum (LDL) - measured

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Low density lipoprotein cholesterol, serum (LDL) - measured
Test/Panel identifier (code system)	410 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay
Test/Panel other identifier (code system)	18262-6 (LN)

Preferred Report Name	LDL Cholesterol - Serum (direct)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.
Patient preparation	Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.
Factors that may affect the test	Insufficient specimen, Improper labeling, gross hemolysis, warm sample
Schedule	daily
Schedule	continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y
Hint/Help Text	Might be good to ask if fasting was more than 8 hours in order to answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

Ask at Order Entry questions

Element	Data
AOE question	If DOB not available, what is patient age?
AOE question (code & code system)	1907 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)
Type of Answer	NM
Character Limit	6
Number of Decimals	2

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)

## Specimen information details

Element	Data
Sequence ID	6.1
Container description	Serum Gel Tube (SGT)
Container volume	8.5
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Specimen (code & code system)	SST (HL70371)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.25
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Keep at room temperature
Specimen Handling Code	Ambient temperature
Specimen Handling Code (code & code system)	AMB (HL70376)
Specimen Preference	P

## Specimen information details

Element	Data
Sequence ID	6.2
Container description	Red, No Additive tube
Container volume	10
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.25
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Keep at room temperature
Specimen Handling Code	Ambient temperature
Specimen Handling Code (code & code system)	AMB (HL70376)
Specimen Preference	P

Test Details - Glucose, urine  
Record information

Element	Data
Event code	MUP
Effective date and time	20131219145310
Test/Panel Name	Glucose, urine
Test/Panel identifier (code system)	326 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Glucose [Presence] in Urine
Test/Panel other identifier (code system)	2349-9 (LN)
Preferred Long Name	Glucose, Semi quantitative, Urine



Is the test/panel orderable ?	Y
Nature	A
Interpretation	An elevated urine glucose concentration indicates the presence of hyperglycemia or disorders of proximal renal tubules.
Patient preparation	Collect random urine in a clean plastic container. Label the urine container with the patient's full name and the date and time of collection, refrigerate after collection.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)

#### Specimen information details

Element	Data
Sequence ID	7
Container description	Sterile, plastic, leak proof container
Container volume	4
Container units	fluid ounce (US)
Container units (code & code system)	[foz_us] (UCUM)
Specimen (code & code system)	122575003 (SCT)
Normal collection volume	20
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	4
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Keep refrigerated
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

MSH^^^&#NIST Test Lab APP|NIST Lab Facility|NIST EHR Facility|20130421|113601-0700||MFN^M08^MFN\_M08|EDOS\_2.4\_1.1-M08-NG|D|2.5.1|||||EDOS\_Common\_Component^EDOS Base Profile^2.16.840.1.113883.9.69^ISO~EDOS\_NG\_Component^EDOS NG Profile^2.16.840.1.113883.9.69^ISO

MFI|OMM^Mixed type observation master file^HL70175^^^^2.5.1||UPD|||NE

MFE|MDC||20131219145310|1305^SLE IgG Titer Serum^99USL^^^^20130421|CWE

OM1|1|1305^SLE IgG Titer Serum^99USL^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013||22512-8^Saint Louis encephalitis virus IgG Ab [Titer] in Serum^LN||Saint Luis Virus IgG||Y|||||A|||||Insufficient specimen, Improper labeling,|Monday through Friday|||||N|LAB|||||22512-8^Saint Louis encephalitis virus IgG Ab [Titer] in Serum^LN^1305^SLE IgG Titer Serum^99USL|2^&day

OM4|1||Gold Serum Separator tube~Red, No Additive tube|5.0~5.0|mL^milliliter^UCUM^^^^1.8~mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^201509-US Ed||||1^mL&milliliter&UCUM|0.5^mL&milliliter&UCUM&&&&1.8|Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.||||REF^Refrigerated temperature^HL70376^^^^2.5.1|P

MFE|MAD||20131219145310|408^Triglycerides, serum^99USL^^^^20130421|CWE

OM1|2|408^Triglycerides, serum^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2103||2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN||Triglyceride - Serum||N|||||A|||||Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.||||Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.||||Insufficient specimen, Improper labeling, gross hemolysis, warm sample|daily~continuously|||||N|LAB|||||2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN^408^Triglycerides, serum^99USL|1^&day

OMC||||1902^Fasting Status^99USL^49541-6^Fasting Status^LN^20130421^2.52|DRW^Collecting the specimen^HL70938|OBR-13^Relevant Clinical Information^HL70939^^^^2.8.2|Y| Might be good to ask if fasting was more than 8 hours in order to answer a s "Patient was fasting"|CWE|F^Patient was fasting prior to the procedure^HL70916~NF^The patient indicated they did not fast prior to the procedure^HL70916~U^Unknown^HL70353

OMC||||1907^If DOB not available, what is patient age?^99USL^30525-0^Age^LN^20130421^2.52|DRW^Collecting the specimen^HL70938^^^^2.8.2|OBR-OBX^OBX segment following an OBR segment^HL70939|Y|Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)|NM||6|2

MFE|MAD||20131219145310|404^High density lipoprotein cholesterol, serum (HDL)^99USL^^^^20130421|CWE

OM1|3|404^High density lipoprotein cholesterol, serum (HDL)^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2103||2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN||HDL Cholesterol - Serum||N|||||A|||||Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.||||Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.||||Insufficient specimen, Improper labeling, gross hemolysis, warm sample|daily~continuously|||||N|LAB|||||2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN^404^High density lipoprotein cholesterol, serum (HDL)^99USL|1^&day

OMC||||1902^Fasting Status^99USL^49541-6^Fasting Status^LN^20130421^2.52|DRW^Collecting the specimen^HL70938|OBR-13^Relevant Clinical Information^HL70939^^^^2.8.2|Y| Might be good to ask if fasting was more than 8 hours in order to answer a s "Patient was fasting"|CWE|F^Patient was fasting prior to the procedure^HL70916~NF^The patient indicated they did not fast prior to the procedure^HL70916~U^Unknown^HL70353

OMC||||1907^If DOB not available, what is patient age?^99USL^30525-0^Age^LN^20130421^2.52|DRW^Collecting the specimen^HL70938^^^^2.8.2|OBR-OBX^OBX segment following an OBR segment^HL70939|Y|Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)|NM||6|2

MFE|MAD||20131219145310|402^Cholesterol (total), serum^99USL^^^^20130421|CWE

OM1|4|402^Cholesterol (total), serum^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2103||2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN||Total Cholesterol - Serum||N|||||A|||||Investigation

n of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.||||Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.||Insufficient specimen, Improper labeling, gross hemolysis, warm sample|daily~continuously|||||N|LAB|||||2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN^402^Cholesterol (total), serum^99USL|1^&day

OMC||||1902^Fasting Status^99USL^49541-6^Fasting Status^LN^20130421^2.52|DRW^Collecting the specimen^HL70938|OBR-13^Relevant Clinical Information^HL70939^^^^2.8.2|Y| Might be good to ask if fasting was more than 8 hours in order to answer a s "Patient was fasting"CWE|F^Patient was fasting prior to the procedure^HL70916~NF^The patient indicated they did not fast prior to the procedure^HL70916~U^Unknown^HL70353

OMC||||1907^If DOB not available, what is patient age?^99USL^30525-0^Age^LN^20130421^2.52|DRW^Collecting the specimen^HL70938^^^^2.8.2|OBR-OBX^OBX segment following an OBR segment^HL70939|Y|Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)|NM|||6|2

OM2|4|mg/dL^milligram per deciliter^UCUM^^^^1.8||||170&199

MFE|MAD||20131219145310|406^Low density lipoprotein cholesterol, serum (LDL)^99USL^^^^20130421|CWE

OM1|5|406^Low density lipoprotein cholesterol, serum (LDL)^99USL^^^^20130421|Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2103||13457-7^Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation^LN||LDL Cholesterol - Serum (calculated)|||N|||||C|||||Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.||||Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.||Insufficient specimen, Improper labeling, gross hemolysis, warm sample|daily~continuously|||||N|LAB|||||13457-7^Cholesterol in LDL [Mass/volume] in Serum or Plasma by calculation^LN^406^Low density lipoprotein cholesterol, serum (LDL)^99USL|1^&day

OMC||||1902^Fasting Status^99USL^49541-6^Fasting Status^LN^20130421^2.52|DRW^Collecting the specimen^HL70938|OBR-13^Relevant Clinical Information^HL70939^^^^2.8.2|Y| Might be good to ask if fasting was more than 8 hours in order to answer a s "Patient was fasting"CWE|F^Patient was fasting prior to the procedure^HL70916~NF^The patient indicated they did not fast prior to the procedure^HL70916~U^Unknown^HL70353

OMC||||1907^If DOB not available, what is patient age?^99USL^30525-0^Age^LN^20130421^2.52|DRW^Collecting the specimen^HL70938^^^^2.8.2|OBR-OBX^OBX segment following an OBR segment^HL70939|Y|Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)|NM|||6|2

OM2|5|mg/dL^milligram per deciliter^UCUM^^^^1.8||||110&129~100&159

MFE|MAD||20131219145310|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421|CWE

OM1|6|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421|Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2103||18262-6^Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay^LN||LDL Cholesterol - Serum (direct)|||Y|||||A|||||Investigation of serum lipids is indicated in those with coronary and other arterial disease, especially in patients younger than 40 years of age, and in those with family history of atherosclerosis or of hyperlipidemia. Also important in patients with xanthomas, hypothyroidism, nephrosis, renal failure, obesity, diabetes mellitus, alcoholism, primary biliary cirrhosis, and other types of cholestasis.||||Collection Instructions: 1. Fasting overnight (12 hours). 2. Patient must not consume any alcohol for 24 hours before the specimen is drawn.||Insufficient specimen, Improper labeling, gross hemolysis, warm sample|daily~continuously|||||N|LAB|||||18262-6^Cholesterol in LDL [Mass/volume] in Serum or Plasma by Direct assay^LN^410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL|1^&day

OMC||||1902^Fasting Status^99USL^49541-6^Fasting Status^LN^20130421^2.52|DRW^Collecting the specimen^HL70938|OBR-13^Relevant Clinical Information^HL70939^^^^2.8.2|Y| Might be good to ask if fasting was more than 8 hours in order to answer a s "Patient was fasting"CWE|F^Patient was fasting prior to the procedure^HL70916~NF^The patient indicated they did not fast prior to the procedure^HL70916~U^Unknown^HL70353

OMC||||1907^If DOB not available, what is patient age?^99USL^30525-0^Age^LN^20130421^2.52|DRW^Collecting the specimen^HL70938^^^^2.8.2|OBR-OBX^OBX segment following an OBR segment^HL70939|Y|Please select the most appropriate age units and include them in the answer (for a newborn related tests hours may be more appropriate, compared to month for some pediatric tests or years for most tests)|NM|||6|2

OM2|6|mg/dL^milligram per deciliter^UCUM^^^^1.8||||110&129~100&159

OM4|6.1||Serum Gel Tube (SGT)|8.5|mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130731|SST^Serum Separator Tube (Polymer Gel)^HL70371^^^^2.5.1||0.5^mL&milliliter&UCUM&&&&1.8|0.25^mL&milliliter&UCUM&&&&1.8|Keep at room temperature||AMB^Ambient temperature^HL70376^^^^2.5.1|P

OM4|6.2||Red, No Additive tube|10|mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130731|||0.5^mL&milliliter&UCUM&&&&1.8|0.25^mL&milliliter&UCUM&&&&1.8|Keep at room temperature||AMB^Ambient temperature^HL70376^^^^2.5.1|P

MFE|MUP||20131219145310|326^Glucose, urine^99USL^^^^20130421|CWE

OM1|7|326^Glucose, urine^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013||2349-9^Glucose [Presence] in Urine^LN^^^^2.42||||Glucose, Semi quantitative, Urine|Y||||A|||||||An elevated urine glucose concentration indicates the presence of hyperglycemia or disorders of proximal renal tubules.||||Collect random urine in a clean plastic container. Label the urine container with the patient's full name and the date and time of collection, refrigerate after collection.||Insufficient specimen, Improper labeling, presence of preservatives, warm sample. |Daily||||N|LAB|||||2349-9^Glucose [Presence] in Urine^LN^326^Glucose, urine^99USL^2.48^20130421|1^d&day&UCUM&&&&1.8

OM2|7|mg/dL^milligram per deciliter^UCUM^^^^1.8||||0&15

OM4|7||Sterile, plastic, leak proof container|4|[foz\_us]^fluid ounce (US)^UCUM^^^^1.8|122575003^Urine specimen^SCT^UR^Random urine^99USL^201509-US Ed^2014^Random urine||||20^mL&milliliter&UCUM&&&&1.8|4^mL&milliliter&UCUM&&&&1.8|Keep refrigerated||REF^Refrigerated temperature^HL70376^^^^2.5.1|P