

NIST HL7 V2 Validation Tool Test Data Electronic Directory Of Service (eDOS)

Version 1.0

13th March, 2015

eDOS Test Case EDOS_2.4_2.1-M10_NG

M10_Update_combo

Test Story

Description

The originator of the eDOS is the Century Hospital Clinical Laboratory located at 2070 Test Park, Los Angeles, CA, 90067, CLIA: 24D9871327 , phone number: (310) 461-3666.
The Sender is the Century Hospital Clinical Laboratory LIS.
The Receiver is Dr Radon's Office EHR.

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

- Added a Lipid Panel and its related components
- Deactivated the Arbovirus Panel
- Revised the Complete Metabolic Panel (CMP) adding a Gamma Glutamyl Transferase (GGT) test to the panel

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

Comments

Combination of update changes including addition, revision and deactivation of panels and profiles and their elements.

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_2.4_1.1-M08_Update_combo
have been completed.

PostCondition

No Post-Condition.

TestObjectives

- Demonstrate capability to support a M10 update message - action: combination of addition, de-activation and revision
- Demonstrate capability to support repeating fields in OM1-31 (Observations Required to Interpret the Observation), OM4-3 (Container Description), OM4-4 (Container Volume), and OM4-5 (Container Units).
- Demonstrate capability to support all supported data elements, including repeating fields in the OM5 segment.
- Demonstrate capability to support repeating segments for OM4.

Notes to Testers

No Note.

Message Content Data Sheet

Test Case Information

EDOS_2.4_2.1-M10-NG - M10_Update_combo	
Test Case ID	EDOS_2.4_2.1-M10_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	M10	IG Fixed Data
MSH.9.3	Message Structure	MFN_M10	IG Fixed Data
MSH.10	Message Control ID	EDOS_2.4_2.1-M10-NG	System Generated
MSH.11	Processing ID		
MSH.11.1	Processing ID	T	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.15	Accept Acknowledgment Type	AL	Changeable Data
MSH.16	Application Acknowledgment Type	NE	Changeable Data
MSH.21[1]	Message Profile Identifier		
MSH.21[1].1	Entity Identifier	EDOS_Common_Component	Test Case Fixed Data
MSH.21[1].2	Namespace ID	EDOS Base Profile	Changeable Data
MSH.21[1].3	Universal ID	2.16.840.1.113883.9.67	Test Case Fixed Data
MSH.21[1].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	OMC	IG Fixed Data
MFI.1.2	Text	Observation batteries 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	1300	Changeable Data
MFE.4.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum	Changeable Data
MFE.4.3	Name of Coding System	99USI	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	1	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		

OM1.2.1	Identifier	1300	Changeable Data
OM1.2.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum	Changeable Data
OM1.2.3	Name of Coding System	99USI	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	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.9	Preferred Report Name for the Observation	Arbovirus Panel for Dengue, West Nile Virus	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	P	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	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
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	2	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

OM5 :

Location	Data Element	Data	Categorization
OM5.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM5.2[1]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[1].1	Identifier	1301	Changeable Data
OM5.2[1].2	Text	Dengue Virus IgG Titer Serum	Changeable Data
OM5.2[1].3	Name of Coding System	99USI	Changeable Data
OM5.2[1].4	Alternate Identifier	6811-4	Test Case Fixed Data
OM5.2[1].5	Alternate Text	Dengue virus IgG Ab [Titer] in Serum	Changeable Data

OM5.2[1].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[2]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[2].1	Identifier	1302	Changeable Data
OM5.2[2].2	Text	Dengue Virus IgM Titer Serum	Changeable Data
OM5.2[2].3	Name of Coding System	99USI	Changeable Data
OM5.2[2].4	Alternate Identifier	6812-2	Test Case Fixed Data
OM5.2[2].5	Alternate Text	Dengue virus IgM Ab [Titer] in Serum	Changeable Data
OM5.2[2].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[3]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[3].1	Identifier	1303	Changeable Data
OM5.2[3].2	Text	WNV IgG Titer Serum	Changeable Data
OM5.2[3].3	Name of Coding System	99USI	Changeable Data
OM5.2[3].4	Alternate Identifier	33329-4	Changeable Data
OM5.2[3].5	Alternate Text	West Nile virus IgG Ab [Titer] in Serum	Changeable Data
OM5.2[3].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[4]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[4].1	Identifier	1304	Changeable Data
OM5.2[4].2	Text	WNV Virus IgM Titer Serum	Changeable Data
OM5.2[4].3	Name of Coding System	99USI	Changeable Data
OM5.2[4].4	Alternate Identifier	33331-0	Test Case Fixed Data
OM5.2[4].5	Alternate Text	West Nile virus IgM Ab [Titer] in Serum	Changeable Data
OM5.2[4].6	Name of Alternate Coding System	LN	Changeable Data

OM4 :

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

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OM4.4[1]	Container Volume	5.0	Changeable Data
OM4.4[2]	Container Volume	5.0	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	mililiter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.5[2]	Container Units		
OM4.5[2].1	Identifier	mL	Changeable Data
OM4.5[2].2	Text	mililiter	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
OM4.6	Specimen		
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	20130131	Changeable Data
OM4.10	Normal Collection Volume		
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
OM4.11	Minimum Collection Volume		
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
OM4.12	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.	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	REF	Changeable Data
OM4.15[1].2	Text	Refrigerated temperature	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	IG Fixed Data
OM4.15[1].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	100	Changeable Data
MFE.4.2	Text	CMP	Changeable Data
MFE.4.3	Name of Coding System	99USI	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	2	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	100	Changeable Data
OM1.2.2	Text	CMP	Changeable Data
OM1.2.3	Name of Coding System	99USI	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	99USI	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	24323-8	Test Case Fixed Data
OM1.7.2	Text	Comprehensive metabolic 2000 panel - Serum or Plasma	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

OM1.10	Preferred Short Name on Mnemonic for Observation	CMP	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	P	IG Fixed Data
OM1.31[1]	Observations Required to Interpret the Observation		
OM1.31[1].1	Identifier	49541-6	Changeable Data
OM1.31[1].2	Text	Fasting status [Presence] - reported	Changeable Data
OM1.31[1].3	Name of Coding System	LN	Changeable Data
OM1.31[1].7	Coding System Version ID	2.42	Changeable Data
OM1.31[2]	Observations Required to Interpret the Observation		
OM1.31[2].1	Identifier	32624-9	Changeable Data
OM1.31[2].2	Text	Race	Changeable Data
OM1.31[2].3	Name of Coding System	LN	Changeable Data
OM1.31[2].7	Coding System Version ID	2.42	Changeable Data
OM1.32[1]	Interpretation of Observations	Test used to measure blood sugar, electrolytes and fluid balance, kidney and liver function.	Changeable Data
OM1.37[1]	Patient Preparation	Patient fasting required for 12 hours.	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Gross hemolysis, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Daily	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.51[1]	Other Names	CMP	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	1	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.1	Identifier	d	Changeable Data
OM1.57[1].2.2	Text	day	Changeable Data
OM1.57[1].2.3	Name of Coding System	UCUM	Changeable Data
OM1.57[1].2.7	Coding System Version ID	1.8	Changeable Data

OM5 :

Location	Data Element	Data	Categorization
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OM5.1	Sequence Number - Test/Observation Master File	2	IG Fixed Data
OM5.2[1]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[1].1	Identifier	104	Changeable Data
OM5.2[1].2	Text	Serum Glucose	Changeable Data
OM5.2[1].3	Name of Coding System	99USI	Changeable Data
OM5.2[1].4	Alternate Identifier	2345-7	Changeable Data
OM5.2[1].5	Alternate Text	Glucose [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[1].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[1].7	Coding System Version ID	20130421	Changeable Data
OM5.2[1].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[2]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[2].1	Identifier	106	Changeable Data
OM5.2[2].2	Text	Blood Urea Nitrogen (BUN)	Changeable Data
OM5.2[2].3	Name of Coding System	99USI	Changeable Data
OM5.2[2].4	Alternate Identifier	3094-0	Changeable Data
OM5.2[2].5	Alternate Text	Urea nitrogen [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[2].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[2].7	Coding System Version ID	20130421	Changeable Data
OM5.2[2].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[3]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[3].1	Identifier	102	Changeable Data
OM5.2[3].2	Text	Creatinine	Changeable Data
OM5.2[3].3	Name of Coding System	99USI	Changeable Data
OM5.2[3].4	Alternate Identifier	2160-0	Changeable Data
OM5.2[3].5	Alternate Text	Creatinine [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[3].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[3].7	Coding System Version ID	20130421	Changeable Data
OM5.2[3].8	Alternate Coding System Version ID	2.42	Changeable Data

OM5.2[4]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[4].1	Identifier	108	Changeable Data
OM5.2[4].2	Text	BUN/Creatinine Ratio	Changeable Data
OM5.2[4].3	Name of Coding System	99USI	Changeable Data
OM5.2[4].4	Alternate Identifier	3097-3	Changeable Data
OM5.2[4].5	Alternate Text	Urea nitrogen/Creatinine [Mass Ratio] in Serum or Plasma	Changeable Data
OM5.2[4].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[4].7	Coding System Version ID	20130421	Changeable Data
OM5.2[4].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[5]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[5].1	Identifier	110	Changeable Data
OM5.2[5].2	Text	GFR, calculated	Changeable Data
OM5.2[5].3	Name of Coding System	99USI	Changeable Data
OM5.2[5].4	Alternate Identifier	33914-3	Changeable Data
OM5.2[5].5	Alternate Text	Glomerular filtration rate/1.73 sq M.predicted by Creatinine-based formula (MDRD)	Changeable Data
OM5.2[5].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[5].7	Coding System Version ID	20130421	Changeable Data
OM5.2[5].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[6]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[6].1	Identifier	112	Changeable Data
OM5.2[6].2	Text	Calcium	Changeable Data
OM5.2[6].3	Name of Coding System	99USI	Changeable Data
OM5.2[6].4	Alternate Identifier	17861-6	Changeable Data
OM5.2[6].5	Alternate Text	Calcium [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[6].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[6].7	Coding System Version ID	20130421	Changeable Data
OM5.2[6].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[7]	Test/Observations Included Within an Ordered Test Battery		

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OM5.2[7].1	Identifier	114	Changeable Data
OM5.2[7].2	Text	Total protein, serum	Changeable Data
OM5.2[7].3	Name of Coding System	99USI	Changeable Data
OM5.2[7].4	Alternate Identifier	2885-2	Changeable Data
OM5.2[7].5	Alternate Text	Protein [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[7].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[7].7	Coding System Version ID	20130421	Changeable Data
OM5.2[7].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[8]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[8].1	Identifier	116	Changeable Data
OM5.2[8].2	Text	Albumin	Changeable Data
OM5.2[8].3	Name of Coding System	99USI	Changeable Data
OM5.2[8].4	Alternate Identifier	1751-7	Changeable Data
OM5.2[8].5	Alternate Text	Albumin [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[8].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[8].7	Coding System Version ID	20130421	Changeable Data
OM5.2[8].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[9]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[9].1	Identifier	118	Changeable Data
OM5.2[9].2	Text	Globulin	Changeable Data
OM5.2[9].3	Name of Coding System	99USI	Changeable Data
OM5.2[9].4	Alternate Identifier	10834-0	Changeable Data
OM5.2[9].5	Alternate Text	Globulin [Mass/volume] in Serum by calculation	Changeable Data
OM5.2[9].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[9].7	Coding System Version ID	20130421	Changeable Data
OM5.2[9].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[10]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[10].1	Identifier	120	Changeable Data
OM5.2[10].2	Text	Albumin/globulin ratio	Changeable Data
OM5.2[10].3	Name of Coding System	99USI	Changeable Data

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OM5.2[10].4	Alternate Identifier	1759-0	Changeable Data
OM5.2[10].5	Alternate Text	Albumin/Globulin [Mass Ratio] in Serum or Plasma	Changeable Data
OM5.2[10].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[10].7	Coding System Version ID	20130421	Changeable Data
OM5.2[10].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[11]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[11].1	Identifier	122	Changeable Data
OM5.2[11].2	Text	Total bilirubin, serum	Changeable Data
OM5.2[11].3	Name of Coding System	99USI	Changeable Data
OM5.2[11].4	Alternate Identifier	1975-2	Changeable Data
OM5.2[11].5	Alternate Text	Bilirubin.total [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[11].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[11].7	Coding System Version ID	20130421	Changeable Data
OM5.2[11].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[12]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[12].1	Identifier	124	Changeable Data
OM5.2[12].2	Text	Alkaline phosphatase (ALP)	Changeable Data
OM5.2[12].3	Name of Coding System	99USI	Changeable Data
OM5.2[12].4	Alternate Identifier	6768-6	Changeable Data
OM5.2[12].5	Alternate Text	Alkaline phosphatase [Enzymatic activity/volume] in Serum or Plasma	Changeable Data
OM5.2[12].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[12].7	Coding System Version ID	20130421	Changeable Data
OM5.2[12].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[13]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[13].1	Identifier	126	Changeable Data
OM5.2[13].2	Text	Alanine aminotransferase (ALT)	Changeable Data
OM5.2[13].3	Name of Coding System	99USI	Changeable Data
OM5.2[13].4	Alternate Identifier	1742-6	Changeable Data

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OM5.2[13].5	Alternate Text	Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma	Changeable Data
OM5.2[13].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[13].7	Coding System Version ID	20130421	Changeable Data
OM5.2[13].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[14]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[14].1	Identifier	128	Changeable Data
OM5.2[14].2	Text	Aspartate aminotransferase (ASP)	Changeable Data
OM5.2[14].3	Name of Coding System	99USI	Changeable Data
OM5.2[14].4	Alternate Identifier	1920-8	Changeable Data
OM5.2[14].5	Alternate Text	Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma	Changeable Data
OM5.2[14].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[14].7	Coding System Version ID	20130421	Changeable Data
OM5.2[14].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[15]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[15].1	Identifier	130	Changeable Data
OM5.2[15].2	Text	Sodium, serum	Changeable Data
OM5.2[15].3	Name of Coding System	99USI	Changeable Data
OM5.2[15].4	Alternate Identifier	2951-2	Changeable Data
OM5.2[15].5	Alternate Text	Sodium [Moles/volume] in Serum or Plasma	Changeable Data
OM5.2[15].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[15].7	Coding System Version ID	20130421	Changeable Data
OM5.2[15].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[16]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[16].1	Identifier	132	Changeable Data
OM5.2[16].2	Text	Potassium, serum	Changeable Data
OM5.2[16].3	Name of Coding System	99USI	Changeable Data
OM5.2[16].4	Alternate Identifier	2823-3	Changeable Data

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OM5.2[16].5	Alternate Text	Potassium [Moles/volume] in Serum or Plasma	Changeable Data
OM5.2[16].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[16].7	Coding System Version ID	20130421	Changeable Data
OM5.2[16].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[17]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[17].1	Identifier	134	Changeable Data
OM5.2[17].2	Text	Chloride, serum	Changeable Data
OM5.2[17].3	Name of Coding System	99USI	Changeable Data
OM5.2[17].4	Alternate Identifier	2075-0	Changeable Data
OM5.2[17].5	Alternate Text	Chloride [Moles/volume] in Serum or Plasma	Changeable Data
OM5.2[17].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[17].7	Coding System Version ID	20130421	Changeable Data
OM5.2[17].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[18]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[18].1	Identifier	136	Changeable Data
OM5.2[18].2	Text	Carbon dioxide, serum	Changeable Data
OM5.2[18].3	Name of Coding System	99USI	Changeable Data
OM5.2[18].4	Alternate Identifier	2028-9	Changeable Data
OM5.2[18].5	Alternate Text	Carbon dioxide, total [Moles/volume] in Serum or Plasma	Changeable Data
OM5.2[18].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[18].7	Coding System Version ID	20130421	Changeable Data
OM5.2[18].8	Alternate Coding System Version ID	2.42	Changeable Data
OM5.2[19]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[19].1	Identifier	138	Changeable Data
OM5.2[19].2	Text	Anion gap	Changeable Data
OM5.2[19].3	Name of Coding System	99USI	Changeable Data
OM5.2[19].7	Coding System Version ID	20130421	Changeable Data
OM5.2[20]	Test/Observations Included Within an Ordered Test Battery		

OM5.2[20].1	Identifier	140	Changeable Data
OM5.2[20].2	Text	Gamma-Glutamyltransferase (GGT)	Changeable Data
OM5.2[20].3	Name of Coding System	99USI	Changeable Data
OM5.2[20].4	Alternate Identifier	2324-2	Changeable Data
OM5.2[20].5	Alternate Text	Gamma glutamyl transferase [Enzymatic activity/volume] in Serum or Plasma	Changeable Data
OM5.2[20].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[20].7	Coding System Version ID	20130421	Changeable Data
OM5.2[20].8	Alternate Coding System Version ID	2.42	Changeable Data

OM4 :

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	2	IG Fixed Data
OM4.3[1]	Container Description	Gold Serum Separator tube	Changeable Data
OM4.3[2]	Container Description	Red, No Additive tube	Changeable Data
OM4.4[1]	Container Volume	5.0	Changeable Data
OM4.4[2]	Container Volume	5.0	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	mililiter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.5[2]	Container Units		
OM4.5[2].1	Identifier	mL	Changeable Data
OM4.5[2].2	Text	mililiter	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
OM4.6	Specimen		
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	20130131	Changeable Data
OM4.10	Normal Collection Volume		
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
OM4.11	Minimum Collection Volume		
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
OM4.12	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.	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	REF	Changeable Data
OM4.15[1].2	Text	Refrigerated temperature	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	IG Fixed Data
OM4.15[1].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	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	400	Changeable Data
MFE.4.2	Text	Lipid Panel	Changeable Data
MFE.4.3	Name of Coding System	99USI	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	400	Changeable Data
OM1.2.2	Text	Lipid Panel	Changeable Data
OM1.2.3	Name of Coding System	99USI	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	99USI	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	24331-1	Test Case Fixed Data
OM1.7.2	Text	Lipid 1996 panel in Serum or Plasma	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.7.7	Coding System Version ID	2.44	Changeable Data
OM1.9	Preferred Report Name for the Observation	Lipid Panel	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	P	IG Fixed Data
OM1.32[1]	Interpretation of Observations	Used to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL).	Changeable Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	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
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	1	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

OM5 :

Location	Data Element	Data	Categorization
OM5.1	Sequence Number - Test/Observation Master File	3	IG Fixed Data
OM5.2[1]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[1].1	Identifier	402	Test Case Fixed Data
OM5.2[1].2	Text	Cholesterol (total), serum	Test Case Fixed Data
OM5.2[1].3	Name of Coding System	99USI	Test Case Fixed Data
OM5.2[1].4	Alternate Identifier	2093-3	Changeable Data
OM5.2[1].5	Alternate Text	Cholesterol [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[1].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[2]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[2].1	Identifier	404	Test Case Fixed Data
OM5.2[2].2	Text	High density lipoprotein cholesterol, serum (HDL)	Test Case Fixed Data
OM5.2[2].3	Name of Coding System	99USI	Test Case Fixed Data
OM5.2[2].4	Alternate Identifier	2085-9	Changeable Data
OM5.2[2].5	Alternate Text	Cholesterol in HDL [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[2].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[3]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[3].1	Identifier	406	Test Case Fixed Data
OM5.2[3].2	Text	Low density lipoprotein cholesterol, serum (LDL)	Test Case Fixed Data
OM5.2[3].3	Name of Coding System	99USI	Test Case Fixed Data
OM5.2[3].4	Alternate Identifier	2089-1	Changeable Data
OM5.2[3].5	Alternate Text	Cholesterol in LDL [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[3].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[4]	Test/Observations Included Within an Ordered Test Battery		
OM5.2[4].1	Identifier	408	Test Case Fixed Data

OM5.2[4].2	Text	Triglycerides, serum	Test Case Fixed Data
OM5.2[4].3	Name of Coding System	99USI	Test Case Fixed Data
OM5.2[4].4	Alternate Identifier	2571-8	Changeable Data
OM5.2[4].5	Alternate Text	Triglyceride [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2[4].6	Name of Alternate Coding System	LN	Changeable Data

OM4 :

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	3.1	IG Fixed Data
OM4.3[1]	Container Description	Serum Gel Tube (SGT)	Changeable Data
OM4.4[1]	Container Volume	8.5	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	milliliter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.6	Specimen		
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
OM4.7	Additive		
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
OM4.7.7	Coding System Version ID	2.5.1	Changeable Data
OM4.10	Normal Collection Volume		
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
OM4.11	Minimum Collection Volume		
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
OM4.12	Specimen Requirements	Keep at room temperature	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	AMB	Changeable Data
OM4.15[1].2	Text	Ambient temperature	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	Changeable Data
OM4.15[1].7	Coding System Version ID	2.5.1	Changeable Data
OM4.16	Specimen Preference	P	Test Case Fixed Data

OM4 :

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	3.2	IG Fixed Data
OM4.3[1]	Container Description	Red, No Additive tube	Changeable Data
OM4.4[1]	Container Volume	10	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	milliliter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.6	Specimen		
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
OM4.10	Normal Collection Volume		
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
OM4.11	Minimum Collection Volume		
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
OM4.12	Specimen Requirements	Keep at room temperature	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	AMB	Changeable Data
OM4.15[1].2	Text	Ambient temperature	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	Changeable Data
OM4.15[1].7	Coding System Version ID	2.5.1	Changeable Data
OM4.16	Specimen Preference	P	Test Case Fixed Data

Test Data Specification

Master File Identification

Element name	Data
File-Level Event Code	Change file records as defined in the record-level event codes for each record that follows

Battery information [1]

Master File Entry

Element name	Data
Record-Level Event Code	Deactivate: discontinue using record in master file, but do not delete from database
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum

General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Preferred Report Name for the Observation	Arbovirus Panel for Dengue, West Nile Virus
Orderability	Yes
Nature of Service/Test/Observation	P
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Expected Turn-Around Time	2 day

Observation batteries

Element name	Data
Test/Observations Included Within an Ordered Test Battery [1]	Dengue Virus IgG Titer Serum
Test/Observations Included Within an Ordered Test Battery [2]	Dengue Virus IgM Titer Serum
Test/Observations Included Within an Ordered Test Battery [3]	WNV IgG Titer Serum
Test/Observations Included Within an Ordered Test Battery [4]	WNV Virus IgM Titer Serum

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	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	milliliter
Specimen	Serum specimen
Normal Collection Volume	1 milliliter
Minimum Collection Volume	0.5 milliliter
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 Preference	Preferred

Battery information [2]

Master File Entry

Element name	Data
Record-Level Event Code	Update record for master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	CMP

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Comprehensive metabolic 2000 panel - Serum or Plasma
Preferred Short Name or Mnemonic for Observation	CMP
Orderability	Yes
Nature of Service/Test/Observation	P
Observations Required to Interpret the Observation	Fasting status [Presence] - reported
Observations Required to Interpret the Observation	Race
Interpretation of Observations	Test used to measure blood sugar, electrolytes and fluid balance, kidney and liver function.
Patient Preparation	Patient fasting required for 12 hours.
Factors that may Affect the Observation	Insufficient specimen, Gross hemolysis, Improper labeling
Service/Test/Observation Performance Schedule	Daily
Exclusive Test	This test can be included with any number of other tests

Diagnostic Service Sector ID	Laboratory
Other Names	CMP
Expected Turn-Around Time	1 day

Observation batteries

Element name	Data
Test/Observations Included Within an Ordered Test Battery [1]	Serum Glucose
Test/Observations Included Within an Ordered Test Battery [2]	Blood Urea Nitrogen (BUN)
Test/Observations Included Within an Ordered Test Battery [3]	Creatinine
Test/Observations Included Within an Ordered Test Battery [4]	BUN/Creatinine Ratio
Test/Observations Included Within an Ordered Test Battery [5]	GFR, calculated
Test/Observations Included Within an Ordered Test Battery [6]	Calcium
Test/Observations Included Within an Ordered Test Battery [7]	Total protein, serum
Test/Observations Included Within an Ordered Test Battery [8]	Albumin
Test/Observations Included Within an Ordered Test Battery [9]	Globulin
Test/Observations Included Within an Ordered Test Battery [10]	Albumin/globulin ratio
Test/Observations Included Within an Ordered Test Battery [11]	Total bilirubin, serum
Test/Observations Included Within an Ordered Test Battery [12]	Alkaline phosphatase (ALP)
Test/Observations Included Within an Ordered Test Battery [13]	Alanine aminotransferase (ALT)
Test/Observations Included Within an Ordered Test Battery [14]	Aspartate aminotransferase (ASP)
Test/Observations Included Within an Ordered Test Battery [15]	Sodium, serum
Test/Observations Included Within an Ordered Test Battery [16]	Potassium, serum
Test/Observations Included Within an Ordered Test Battery [17]	Chloride, serum
Test/Observations Included Within an Ordered Test Battery [18]	Carbon dioxide, serum
Test/Observations Included Within an Ordered Test Battery [19]	Anion gap
Test/Observations Included Within an Ordered Test Battery [20]	Gamma-Glutamyltransferase (GGT)

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	2
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	milliliter
Specimen	Serum specimen
Normal Collection Volume	1 milliliter
Minimum Collection Volume	0.5 milliliter

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 Preference	Preferred

Battery information [3]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Lipid Panel

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Lipid 1996 panel in Serum or Plasma
Preferred Report Name for the Observation	Lipid Panel
Orderability	Yes
Nature of Service/Test/Observation	P
Interpretation of Observations	Used to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL).
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Expected Turn-Around Time	1 day

Observation batteries

Element name	Data
Test/Observations Included Within an Ordered Test Battery [1]	Cholesterol (total), serum
Test/Observations Included Within an Ordered Test Battery [2]	High density lipoprotein cholesterol, serum (HDL)
Test/Observations Included Within an Ordered Test Battery [3]	Low density lipoprotein cholesterol, serum (LDL)
Test/Observations Included Within an Ordered Test Battery [4]	Triglycerides, serum

Observations that Require Specimens

Element name	Data
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Sequence Number - Test/Observation Master File	3.1
Container Description	Serum Gel Tube (SGT)
Container Volume	8.5
Container Units	milliliter
Specimen	Serum specimen
Additive	Serum Separator Tube (Polymer Gel)
Normal Collection Volume	0.5 milliliter
Minimum Collection Volume	0.25 milliliter
Specimen Requirements	Keep at room temperature
Specimen Handling Code	Ambient temperature
Specimen Preference	Preferred

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	3.2
Container Description	Red, No Additive tube
Container Volume	10
Container Units	milliliter
Specimen	Serum specimen
Normal Collection Volume	0.5 milliliter
Minimum Collection Volume	0.25 milliliter
Specimen Requirements	Keep at room temperature
Specimen Handling Code	Ambient temperature
Specimen Preference	Preferred

HL7 Message

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_2.4_2.1-M10-NG|T|2.5.1||AL|NE||||EDOS_Common_Component^EDOS Base Profile^2.16.840.1.113883.9.67^ISO~EDOS_NG_Component^EDOS NG Profile^2.16.840.1.113883.9.69^ISO

MFI|OMC^Observation batteries master file^HL70175^^^^2.5.1||UPD||||NE

MFE|MDC||20131219145310|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USI^^^^20130421|CWE

OM1|1|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||||Arbovirus Panel for Dengue, West Nile Virus||Y||||P|||||||Insufficient specimen, Improper labeling|Monday through Friday|||||N|LAB|||||2^&day

OM5|1|1301^Dengue Virus IgG Titer Serum^99USI^6811-4^Dengue virus IgG Ab [Titer] in Serum^LN~1302^Dengue Virus IgM Titer Serum^99USI^6812-2^Dengue virus IgM Ab [Titer] in Serum^LN~1303^WNV IgG Titer Serum^99USI^33329-4^West Nile virus IgG Ab [Titer] in Serum^LN~1304^WNV Virus IgM Titer Serum^99USI^33331-0^West Nile virus IgM Ab [Titer] in Serum^LN

OM4|1||Gold Serum Separator tube~Red, No Additive tube|5.0~5.0|mL^mililiter^UCUM^^^^1.8~mL^mililiter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130131||||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|MUP||20131219145310|100^CMP^99USI^^^^20130421|CWE

OM1|2|100^CMP^99USI^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^^^^2.42||CMP||Y||||P|||||||49541-6^Fasting status [Presence] - reported^LN^^^^2.42~32624-9^Race^LN^^^^2.42|Test used to measure blood sugar, electrolytes and fluid balance, kidney and liver function.||||Patient fasting required for 12 hours.||||Insufficient specimen, Gross hemolysis, Improper labeling|Daily||||||N|LAB||CMP||||1^d&day&UCUM&&&&1.8

OM5|2|104^Serum Glucose^99USI^2345-7^Glucose [Mass/volume] in Serum or Plasma^LN^20130421^2.42~106^Blood Urea Nitrogen (BUN)^99USI^3094-0^Urea nitrogen [Mass/volume] in Serum or Plasma^LN^20130421^2.42~102^Creatinine^99USI^2160-0^Creatinine [Mass/volume] in Serum or Plasma^LN^20130421^2.42~108^BUN/Creatinine Ratio^99USI^3097-3^Urea nitrogen/Creatinine [Mass Ratio] in Serum or Plasma^LN^20130421^2.42~110^GFR, calculated^99USI^33914-3^Glomerular filtration rate/1.73 sq M.predicted by Creatinine-based formula (MDRD)^LN^20130421^2.42~112^Calcium^99USI^17861-6^Calcium [Mass/volume] in Serum or Plasma^LN^20130421^2.42~114^Total protein, serum^99USI^2885-2^Protein [Mass/volume] in Serum or Plasma^LN^20130421^2.42~116^Albumin^99USI^1751-7^Albumin [Mass/volume] in Serum or Plasma^LN^20130421^2.42~118^Globulin^99USI^10834-0^Globulin [Mass/volume] in Serum by calculation^LN^20130421^2.42~120^Albumin/globulin ratio^99USI^1759-0^Albumin/Globulin [Mass Ratio] in Serum or Plasma^LN^20130421^2.42~122^Total bilirubin, serum^99USI^1975-2^Bilirubin.total [Mass/volume] in Serum or Plasma^LN^20130421^2.42~124^Alkaline phosphatase (ALP)^99USI^6768-6^Alkaline phosphatase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~126^Alanine aminotransferase (ALT)^99USI^1742-6^Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~128^Aspartate aminotransferase (ASP)^99USI^1920-8^Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~130^Sodium, serum^99USI^2951-2^Sodium [Moles/volume] in Serum or Plasma^LN^20130421^2.42~132^Potassium, serum^99USI^2823-3^Potassium [Moles/volume] in Serum or Plasma^LN^20130421^2.42~134^Chloride, serum^99USI^2075-0^Chloride [Moles/volume] in Serum or Plasma^LN^20130421^2.42~136^Carbon dioxide, serum^99USI^2028-9^Carbon dioxide, total [Moles/volume] in Serum or Plasma^LN^20130421^2.42~138^Anion gap^99USI^20130421~140^Gamma-Glutamyltransferase (GGT)^99USI^2324-2^Gamma glutamyl transferase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42

OM4|2||Gold Serum Separator tube~Red, No Additive tube|5.0~5.0|mL^mililiter^UCUM^^^^1.8~mL^mililiter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130131||||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|400^Lipid Panel^99USI^^^^20130421|CWE

OM1|3|400^Lipid Panel^99USI^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||24331-1^Lipid 1996 panel in Serum or Plasma^LN^^^^2.44||Lipid Panel||Y||||P|||||||||Used to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL).|||||Insufficient specimen, Improper labeling|Monday through Friday|||||N|LAB|||1^&day

OM5|3|402^Cholesterol (total), serum^99USI^2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN~404^High density lipoprotein cholesterol, serum (HDL)^99USI^2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN~406^Low density lipoprotein cholesterol, serum (LDL)^99USI^2089-1^Cholesterol in LDL [Mass/volume] in Serum or Plasma^LN~408^Triglycerides, serum^99USI^2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN

OM4|3.1||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|3.2||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