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:
- Revised the Complete Metabolic Panel (CMP) adding plasma as specimen type in addition to serum
Century Hospital's LIS transmits the appropriate eDOS update messages with these changes to Dr. Radon's EHR.

Comments

Update changes for revision to a panel.

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
and
EDOS_2.2_1.1-M08_Update_Revise
have been completed.

PostCondition

No Post-Condition.

TestObjectives

- Demonstrate capability to support a M10 update message - action: revision
- Demonstrate capability to support the repeating field in 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.

EDOS_2.2_2.1-M10-NG - M10_Update_revise	
Test Case ID	EDOS_2.2_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_2.2_2.1-M10-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	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**	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	100	Changeable Data
MFE.4.2	Text	CMP	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data

Location	Data Element	Data	Categorization
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	100	Changeable Data
OM1.2.2		Text	CMP	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	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	Test Case Fixed Data
OM1.32	Interpretation of Observations		Test used to measure blood sugar, electrolytes and fluid balance, kidney and liver function.	Changeable Data
OM1.37	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	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	Other Names		CMP	Changeable Data
OM1.57	Expected Turn-Around Time			
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

---— OM5 —---

Location	Data Element		Data	Categorization
OM5.1	Sequence Number - Test/Observation Master File		1	IG Fixed Data
OM5.2	Test/Observations Included Within an Ordered Test Battery			
OM5.2.1		Identifier	104	Changeable Data
OM5.2.2		Text	Serum Glucose	Changeable Data
OM5.2.3		Name of Coding System	99USL	Changeable Data
OM5.2.4		Alternate Identifier	2345-7	Changeable Data

Location	Data Element	Data	Categorization
OM5.2.5	Alternate Text	Glucose [Mass/volume] in Serum or Plasma	Changeable Data
OM5.2.6	Name of Alternate Coding System	LN	Changeable Data
OM5.2.7	Coding System Version ID	20130421	Changeable Data
OM5.2.8	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	99USL	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	99USL	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	99USL	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	99USL	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	99USL	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

Location	Data Element	Data	Categorization
OM5.2[7]	**Test/Observations Included Within an Ordered Test Battery**		
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	99USL	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	99USL	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	99USL	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	99USL	Changeable Data
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	99USL	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

Location	Data Element	Data	Categorization
OM5.2[12].2	Text	Alkaline phosphatase (ALP)	Changeable Data
OM5.2[12].3	Name of Coding System	99USL	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	99USL	Changeable Data
OM5.2[13].4	Alternate Identifier	1742-6	Changeable Data
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	99USL	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	99USL	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	99USL	Changeable Data
OM5.2[16].4	Alternate Identifier	2823-3	Changeable Data
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	99USL	Changeable Data
OM5.2[17].4	Alternate Identifier	2075-0	Changeable Data
OM5.2[17].5	Alternate Text	Chloride [Moles/volume] in Serum or	Changeable Data

Location	Data Element	Data	Categorization
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	99USL	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	99USL	Changeable Data
OM5.2[19].7	Coding System Version ID	20130421	Changeable Data

OM4

Location	Data Element	Data	Categorization
OM4.1	**Sequence Number - Test/Observation Master File**	1.1	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**		
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
OM4.5[2]	**Container Units**		
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
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	201509-US Ed	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

Location	Data Element	Data	Categorization
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	Specimen Handling Code		
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

─── OM4 ───

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	1.2	IG Fixed Data
OM4.3	Container Description	Green Lithium Heparin tube	Changeable Data
OM4.4	Container Volume	3.0	Changeable Data
OM4.5	Container Units		
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
OM4.6	Specimen		
OM4.6.1	Identifier	119361006	Test Case Fixed Data
OM4.6.2	Text	Plasma 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
OM4.7	Additive		
OM4.7.1	Identifier	HEPL	Changeable Data
OM4.7.2	Text	Lithium/Li Heparin	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	2	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	Minimum Collection Volume		
OM4.11.1	Quantity	0.7	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	Centrifuge at 1100-2000 g for a minimum of 10 minutes.	Changeable Data
OM4.15	Specimen Handling Code		
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

Element	Data
Identifier	OMC
Event code	UPD

Panel/Test battery Information - CMP

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	CMP
Test/Panel identifier (code system)	100 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Comprehensive metabolic 2000 panel - Serum or Plasma
Test/Panel other identifier (code system)	24323-8 (LN)
Preferred Short Name	CMP
Is the test/panel orderable ?	Y
Nature	P
Interpretation	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 test	Insufficient specimen, Gross hemolysis, Improper labeling..
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Test alias	CMP
Expected turn around time	1 day

Panel/Test battery Details

Element	Data
Test included in panel/test battery	Serum Glucose
Test included in panel/test battery (code & code system)	104 (99USL)
Test included in panel/test battery	Blood Urea Nitrogen (BUN)
Test included in panel/test battery (code & code system)	106 (99USL)
Test included in panel/test battery	Creatinine
Test included in panel/test battery (code & code system)	102 (99USL)
Test included in panel/test battery	BUN/Creatinine Ratio
Test included in panel/test battery (code & code system)	108 (99USL)
Test included in panel/test battery	GFR, calculated
Test included in panel/test battery (code & code system)	110 (99USL)
Test included in panel/test battery	Calcium
Test included in panel/test battery (code & code system)	112 (99USL)
Test included in panel/test battery	Total protein, serum
Test included in panel/test battery (code & code system)	114 (99USL)
Test included in panel/test battery	Albumin
Test included in panel/test battery (code & code system)	116 (99USL)
Test included in panel/test battery	Globulin
Test included in panel/test battery (code & code system)	118 (99USL)
Test included in panel/test battery	Albumin/globulin ratio
Test included in panel/test battery (code & code system)	120 (99USL)
Test included in panel/test battery	Total bilirubin, serum
Test included in panel/test battery (code & code system)	122 (99USL)

Test included in panel/test battery	Alkaline phosphatase (ALP)
Test included in panel/test battery (code & code system)	124 (99USL)
Test included in panel/test battery	Alanine aminotransferase (ALT)
Test included in panel/test battery (code & code system)	126 (99USL)
Test included in panel/test battery	Aspartate aminotransferase (ASP)
Test included in panel/test battery (code & code system)	128 (99USL)
Test included in panel/test battery	Sodium, serum
Test included in panel/test battery (code & code system)	130 (99USL)
Test included in panel/test battery	Potassium, serum
Test included in panel/test battery (code & code system)	132 (99USL)
Test included in panel/test battery	Chloride, serum
Test included in panel/test battery (code & code system)	134 (99USL)
Test included in panel/test battery	Carbon dioxide, serum
Test included in panel/test battery (code & code system)	136 (99USL)
Test included in panel/test battery	Anion gap
Test included in panel/test battery (code & code system)	138 (99USL)

─Specimen information details─

Element	Data
Sequence ID	1.1
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 information details─

Element	Data
Sequence ID	1.2
Container description	Green Lithium Heparin tube
Container volume	3.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119361006 (SCT)
Specimen (code & code system)	HEPL (HL70371)
Normal collection volume	2
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)

Normal collection volume	0.7
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Centrifuge at 1100-2000 g for a minimum of 10 minutes.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_2.2_2.1-M10-NG|D|2.5.1|||||||||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|MAD||20131219145310|100^CMP^99USL^^^^20130421|CWE

OM1|1|100^CMP^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013||24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^^^^2.42|||CMP||Y||||||P|||||||||||||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|1|104^Serum Glucose^99USL^2345-7^Glucose [Mass/volume] in Serum or Plasma^LN^20130421^2.42~106^Blood Urea Nitrogen (BUN)^99USL^3094-0^Urea nitrogen [Mass/volume] in Serum or Plasma^LN^20130421^2.42~102^Creatinine^99USL^2160-0^Creatinine [Mass/volume] in Serum or Plasma^LN^20130421^2.42~108^BUN/Creatinine Ratio^99USL^3097-3^Urea nitrogen/Creatinine [Mass Ratio] in Serum or Plasma^LN^20130421^2.42~110^GFR, calculated^99USL^33914-3^Glomerular filtration rate/1.73 sq M.predicted by Creatinine-based formula (MDRD)^LN^20130421^2.42~112^Calcium^99USL^17861-6^Calcium [Mass/volume] in Serum or Plasma^LN^20130421^2.42~114^Total protein, serum^99USL^2885-2^Protein [Mass/volume] in Serum or Plasma^LN^20130421^2.42~116^Albumin^99USL^1751-7^Albumin [Mass/volume] in Serum or Plasma^LN^20130421^2.42~118^Globulin^99USL^10834-0^Globulin [Mass/volume] in Serum by calculation^LN^20130421^2.42~120^Albumin/globulin ratio^99USL^1759-0^ Albumin/Globulin [Mass Ratio] in Serum or Plasma^LN^20130421^2.42~122^Total bilirubin, serum^99USL^1975-2^Bilirubin.total [Mass/volume] in Serum or Plasma^LN^20130421^2.42~124^Alkaline phosphatase (ALP)^99USL^6768-6^Alkaline phosphatase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~126^Alanine aminotransferase (ALT)^99USL^1742-6^Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~128^Aspartate aminotransferase (ASP)^99USL^1920-8^Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma^LN^20130421^2.42~130^Sodium, serum^99USL^2951-2^Sodium [Moles/volume] in Serum or Plasma^LN^20130421^2.42~132^Potassium, serum^99USL^2823-3^Potassium [Moles/volume] in Serum or Plasma^LN^20130421^2.42~134^Chloride, serum^99USL^2075-0^Chloride [Moles/volume] in Serum or Plasma^LN^20130421^2.42~136^Carbon dioxide, serum^99USL^2028-9^Carbon dioxide, total [Moles/volume] in Serum or Plasma^LN^20130421^2.42~138^Anion gap^99USL^^^^20130421

OM4|1.1||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

OM4|1.2||Green Lithium Heparin tube|3.0|mL^milliliter^UCUM^^^^1.8|119361006^Plasma specimen^SCT^^^^201509-US Ed|HEPL^Lithium/Li Heparin^HL70371^^^^2.5.1||2^mL&milliliter&UCUM&&&&1.8|0.7^mL&milliliter&UCUM&&&&1.8|Centrifuge at 1100-2000 g for a minimum of 10 minutes.|||REF^Refrigerated temperature^HL70376^^^^2.5.1