NIST HL7 V2 Validation Tool Test Data

Electronic Directory Of Service (eDOS)

Version 1.0

13th March, 2015

eDOS Test Case EDOS_2.0_2.1-M10_NG

M10_Update_deactivate

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. This compendium is being used by Dr. Nicholas Radon's practice EHR to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital Laboratory no longer offers a particular General Health Profile (GHP). Century Hospital's LIS transmits the appropriate eDOS update message to deactivate this GHP panel in Dr. Radon's EHR.

Comments

Update message to deactivate a no longer offered test (panel and/or profile).

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_2.0_1.1-M08_Update_deactivate
have been completed.

PostCondition

No Post-Conditions.

TestObjectives

- Demonstrate capability to support a M10 update message - action: deactivate.
- Demonstrate capability to support repeating fields in OM1.31(Observations Required to Interpret the Observation), OM1-52(Replacement Producer's Service/Test/Observation ID). OM4-3(Container Description), OM4-4 (Container Volume), and OM4-5 (Container Units).
- Demonstrate capability to support repeating segments for OM4.

Notes to Testers

No Notes.

Message Content Data Sheet

Test Case Information

EDOS_2.0_2.1-M10-NG - M10_Update_deactivate	
Test Case ID	EDOS_2.0_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_2.0_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	800	Changeable Data
MFE.4.2	Text	GHP Profile	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	800	Changeable Data
OM1.2.2	Text	GHP Profile	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
OM1.9	**Preferred Report Name for the Observation**	General Health Profile	Changeable Data
OM1.12	**Orderability**	Y	Test Case Fixed Data
OM1.18	**Nature of Service/Test/Observation**	S	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**	This blood test is used to determine general health status and to screen for and monitor a variety of disorders. This profile includes a complete metabolic profile, comprehensive CBC, Urinalysis and total Thyrotropin (T4).	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

OM1.52[1]	**Replacement Producer's Service/Test/Observation ID**		
OM1.52[1].1	Identifier	100	Changeable Data
OM1.52[1].2	Text	CMP	Changeable Data
OM1.52[1].3	Name of Coding System	99USI	Changeable Data
OM1.52[1].4	Alternate Identifier	24323-8	Changeable Data
OM1.52[1].5	Alternate Text	Comprehensive metabolic 2000 panel - Serum or Plasma	Changeable Data
OM1.52[1].6	Name of Alternate Coding System	LN	Changeable Data
OM1.52[1].7	Coding System Version ID	2013	Changeable Data
OM1.52[1].8	Alternate Coding System Version ID	2.44	Changeable Data
OM1.52[2]	**Replacement Producer's Service/Test/Observation ID**		
OM1.52[2].1	Identifier	300	Changeable Data
OM1.52[2].2	Text	Comprehensive Urinalysis	Changeable Data
OM1.52[2].3	Name of Coding System	99USI	Changeable Data
OM1.52[2].4	Alternate Identifier	50564-4	Changeable Data
OM1.52[2].5	Alternate Text	Urinalysis panel - Urine by Auto	Changeable Data
OM1.52[2].6	Name of Alternate Coding System	LN	Changeable Data
OM1.52[2].7	Coding System Version ID	2013	Changeable Data
OM1.52[2].8	Alternate Coding System Version ID	2.44	Changeable Data
OM1.52[3]	**Replacement Producer's Service/Test/Observation ID**		
OM1.52[3].1	Identifier	200	Changeable Data
OM1.52[3].2	Text	CBC_diff	Changeable Data
OM1.52[3].3	Name of Coding System	99USI	Changeable Data
OM1.52[3].4	Alternate Identifier	57021-8	Changeable Data
OM1.52[3].5	Alternate Text	CBC W Auto Differential panel in Blood	Changeable Data
OM1.52[3].6	Name of Alternate Coding System	LN	Changeable Data
OM1.52[3].7	Coding System Version ID	2013	Changeable Data
OM1.52[3].8	Alternate Coding System Version ID	2.44	Changeable Data
OM1.52[4]	**Replacement Producer's Service/Test/Observation ID**		
OM1.52[4].1	Identifier	300450	Changeable Data
OM1.52[4].2	Text	TSH	Changeable Data
OM1.52[4].3	Name of Coding System	99USI	Changeable Data
OM1.52[4].4	Alternate Identifier	3016-3	Changeable Data

OM1.52[4].5	Alternate Text	Thyrotropin [Units/volume] in Serum or Plasma	Changeable Data
OM1.52[4].6	Name of Alternate Coding System	LN	Changeable Data
OM1.52[4].7	Coding System Version ID	2013	Changeable Data
OM1.52[4].8	Alternate Coding System Version ID	2.44	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
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	100	Changeable Data
OM5.2[1].2	Text	CMP	Changeable Data
OM5.2[1].3	Name of Coding System	99USI	Changeable Data
OM5.2[1].4	Alternate Identifier	24323-8	Changeable Data
OM5.2[1].5	Alternate Text	Comprehensive metabolic 2000 panel - Serum or Plasma	Changeable Data
OM5.2[1].6	Name of Alternate Coding System	LN	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	200	Changeable Data
OM5.2[2].2	Text	CBC_diff	Changeable Data
OM5.2[2].3	Name of Coding System	99USI	Changeable Data
OM5.2[2].4	Alternate Identifier	57021-8	Changeable Data
OM5.2[2].5	Alternate Text	CBC W Auto Differential panel in Blood	Changeable Data

OM5.2[2].6	Name of Alternate Coding System	LN	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	400	Changeable Data
OM5.2[3].2	Text	TSH	Changeable Data
OM5.2[3].3	Name of Coding System	99USI	Changeable Data
OM5.2[3].4	Alternate Identifier	3016-3	Changeable Data
OM5.2[3].5	Alternate Text	Thyrotropin [Units/volume] in Serum or Plasma	Changeable Data
OM5.2[3].6	Name of Alternate Coding System	LN	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	300	Changeable Data
OM5.2[4].2	Text	Comprehensive Urinalysis	Changeable Data
OM5.2[4].3	Name of Coding System	99USI	Changeable Data
OM5.2[4].4	Alternate Identifier	50564-4	Changeable Data
OM5.2[4].5	Alternate Text	Urinalysis panel - Urine by Auto	Changeable Data
OM5.2[4].6	Name of Alternate Coding System	LN	Changeable Data
OM5.2[4].8	Alternate Coding System Version ID	2.42	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
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	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	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

OM4 :

Location	Data Element	Data	Categorization
OM4.1	**Sequence Number - Test/Observation Master File**	1.2	IG Fixed Data

OM4.3[1]	**Container Description**	Lavender Top (EDTA) tube	Changeable Data
OM4.3[2]	**Container Description**	Pink Top (K2EDTA) tube	Changeable Data
OM4.4[1]	**Container Volume**	3.0	Changeable Data
OM4.4[2]	**Container Volume**	3.0	Changeable Data
OM4.5[1]	**Container Units**		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	milliliters	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	milliliters	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	119297000	Test Case Fixed Data
OM4.6.2	Text	Blood sample	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.4	Alternate Identifier	WBLD	Changeable Data
OM4.6.5	Alternate Text	Whole blood	Changeable Data
OM4.6.6	Name of Alternate Coding System	99USI	Changeable Data
OM4.6.7	Coding System Version ID	20130131	Changeable Data
OM4.6.8	Alternate Coding System Version ID	2014	Changeable Data
OM4.6.9	Original Text	Whole blood	Changeable Data
OM4.7	**Additive**		
OM4.7.1	Identifier	EDTK	Changeable Data
OM4.7.2	Text	Potassium/K EDTA	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	3	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	milliliters	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	0.5	Changeable Data
OM4.11.2	Units		

OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	milliliters	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**	Refrigeration is required if specimen is not brought immediately to laboratory. Two blood smear should be prepared if sample is not delivered to the laboratory within 4 hrs. Sample should be analyzed within 6 hours at room temperature and 24 hrs when stored at 4 degrees C.	Changeable Data
OM4.15[1]	**Specimen Handling Code**		
OM4.15[1].1	Identifier	CREF	Changeable Data
OM4.15[1].2	Text	Critical refrigerated	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

OM4 :

Location	Data Element	Data	Categorization
OM4.1	**Sequence Number - Test/Observation Master File**	1.3	IG Fixed Data
OM4.3[1]	**Container Description**	Sterile, plastic, leak proof container	Changeable Data
OM4.4[1]	**Container Volume**	4	Changeable Data
OM4.5[1]	**Container Units**		
OM4.5[1].1	Identifier	[foz_us]	Changeable Data
OM4.5[1].2	Text	fluid ounce (US)	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	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	99USI	Changeable Data
OM4.6.7	Coding System Version ID	20130131	Changeable Data

OM4.6.8	Alternate Coding System Version ID	2014	Changeable Data
OM4.6.9	Original Text	Random urine	Changeable Data
OM4.10	**Normal Collection Volume**		
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	**Minimum Collection Volume**		
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
OM4.12	**Specimen Requirements**	Keep refrigerated	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

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	GHP Profile

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Preferred Report Name for the Observation	General Health Profile
Orderability	Yes
Nature of Service/Test/Observation	S
Observations Required to Interpret the Observation	Fasting status [Presence] - reported
Observations Required to Interpret the Observation	Race
Interpretation of Observations	This blood test is used to determine general health status and to screen for and monitor a variety of disorders. This profile includes a complete metabolic profile, comprehensive CBC, Urinalysis and total Thyrotropin (T4).
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
Replacement Producer’s Service/Test/Observation ID	CMP
Replacement Producer’s Service/Test/Observation ID	Comprehensive Urinalysis
Replacement Producer’s Service/Test/Observation ID	CBC_diff
Replacement Producer’s Service/Test/Observation ID	TSH

Expected Turn-Around Time	1 day

Observation batteries

Element name	Data
Test/Observations Included Within an Ordered Test Battery [1]	CMP
Test/Observations Included Within an Ordered Test Battery [2]	CBC_diff
Test/Observations Included Within an Ordered Test Battery [3]	TSH
Test/Observations Included Within an Ordered Test Battery [4]	Comprehensive Urinalysis

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

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	1.2
Container Description	Lavender Top (EDTA) tube
Container Description	Pink Top (K2EDTA) tube
Container Volume	3.0
Container Volume	3.0
Container Units	milliliters
Container Units	milliliters
Specimen	Blood sample
Additive	Potassium/K EDTA
Normal Collection Volume	3 milliliters
Minimum Collection Volume	0.5 milliliters

Specimen Requirements	Refrigeration is required if specimen is not brought immediately to laboratory. Two blood smear should be prepared if sample is not delivered to the laboratory within 4 hrs. Sample should be analyzed within 6 hours at room temperature and 24 hrs when stored at 4 degrees C.
Specimen Handling Code	Critical refrigerated
Specimen Preference	Preferred

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	1.3
Container Description	Sterile, plastic, leak proof container
Container Volume	4
Container Units	fluid ounce (US)
Specimen	Urine specimen
Normal Collection Volume	20 milliliter
Minimum Collection Volume	4 milliliter
Specimen Requirements	Keep refrigerated
Specimen Handling Code	Refrigerated temperature
Specimen Preference	Preferred

HL7 Message

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_2.0_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|800^GHP Profile^99USI^^^^20130421|CWE

OM1|1|800^GHP Profile^99USI^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||||General Health Profile|||Y||||||S||||||||||49541-6^Fasting status [Presence] - reported^LN^^^^2.42~32624-9^Race^LN^^^^2.42|This blood test is used to determine general health status and to screen for and monitor a variety of disorders. This profile includes a complete metabolic profile, comprehensive CBC, Urinalysis and total Thyrotropin (T4).|||||Patient fasting required for 12 hours.||Insufficient specimen, Gross hemolysis, Improper labeling|Daily|||||||N|LAB|||100^CMP^99USI^24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^2013^2.44~300^Comprehensive Urinalysis^99USI^50564-4^Urinalysis panel - Urine by Auto^LN^2013^2.44~200^CBC_diff^99USI^57021-8^CBC W Auto Differential panel in Blood^LN^2013^2.44~300450^TSH^99USI^3016-3^Thyrotropin [Units/volume] in Serum or Plasma^LN^2013^2.44|||||1^d&day&UCUM&&&&1.8

OM5|1|100^CMP^99USI^24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^^2.42~200^CBC_diff^99USI^57021-8^CBC W Auto Differential panel in Blood^LN^^2.42~400^TSH^99USI^3016-3^Thyrotropin [Units/volume] in Serum or Plasma^LN^^2.42~300^Comprehensive Urinalysis^99USI^50564-4^Urinalysis panel - Urine by Auto^LN^^2.42

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

OM4|1.2||Lavender Top (EDTA) tube~Pink Top (K2EDTA) tube|3.0~3.0|mL^milliliters^UCUM^^^^1.8~mL^milliliters^UCUM^^^^1.8|119297000^Blood sample^SCT^WBLD^Whole blood^99USI^20130131^2014^Whole blood|EDTK^Potassium/K EDTA^HL70371^^^^2.5.1|||3^mL&milliliters&UCUM&&&&1.8|0.5^mL&milliliters&UCUM&&&&1.8|Refrigeration is required if specimen is not brought immediately to laboratory. Two blood smear should be prepared if sample is not delivered to the laboratory within 4 hrs. Sample should be analyzed within 6 hours at room temperature and 24 hrs when stored at 4 degrees C.|||CREF^Critical refrigerated^HL70376^^^^2.5.1|P

OM4|1.3||Sterile, plastic, leak proof container|4|[foz_us]^fluid ounce (US)^UCUM^^^^1.8|122575003^Urine specimen^SCT^UR^Random urine^99USI^20130131^2014^Random urine||||20^mL&milliliter&UCUM&&&&1.8|4^mL&milliliter&UCUM&&&&1.8|Keep refrigerated|||REF^Refrigerated temperature^HL70376^^^^2.5.1|P