

Description

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-S 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_1.0_4.1-M18_New_Approved
and
EDOS_1.0_5.1-M18_New_Limited
and
EDOS_2.0_1.1-M08_Update_Deactivate
have been completed.

PostCondition

eDOS M08 and M10 data elements are incorporated appropriately into the EHR-S.

TestObjectives

- Demonstrate capability to support a M10 update message - action: deactivate.
- Demonstrate capability to support the repeating field 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 all supported data elements, including repeating fields in the OM5 segment.
- Demonstrate capability to support repeating segments for OM4.

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	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	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	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data

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

OM1

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	800	Changeable Data
OM1.2.2	Text	GHP	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
OM1.9	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	Test Case Fixed Data
OM1.32	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	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
OM1.52	Replacement Producer's Service/Test/Observation ID		
OM1.52.1	Identifier	100	Changeable Data
OM1.52.2	Text	CMP	Changeable Data
OM1.52.3	Name of Coding System	99USL	Changeable Data
OM1.52.7	Coding System Version ID	2013	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	99USL	Changeable Data
OM1.52[2].7	Coding System Version ID	2013	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	99USL	Changeable Data
OM1.52[3].7	Coding System Version ID	2013	Changeable Data
OM1.52[4]	Replacement Producer's Service/Test/Observation ID		
OM1.52[4].1	Identifier	700	Changeable Data
OM1.52[4].2	Text	TSH	Changeable Data
OM1.52[4].3	Name of Coding System	99USL	Changeable Data
OM1.52[4].7	Coding System Version ID	2013	Changeable Data

Location	Data Element	Data	Categorization
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	100	Changeable Data
OM5.2.2	Text	CMP	Changeable Data
OM5.2.3	Name of Coding System	99USL	Changeable Data
OM5.2.4	Alternate Identifier	24323-8	Changeable Data
OM5.2.5	Alternate Text	Comprehensive metabolic 2000 panel - Serum or Plasma	Changeable Data
OM5.2.6	Name of Alternate Coding System	LN	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	200	Changeable Data
OM5.2[2].2	Text	CBC_diff	Changeable Data
OM5.2[2].3	Name of Coding System	99USL	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	700	Changeable Data
OM5.2[3].2	Text	TSH	Changeable Data
OM5.2[3].3	Name of Coding System	99USL	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	99USL	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	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	Location	Container Unit	Data Element	Data	Categorization
	OM4.5.1	Identifier		mL	Changeable Data
	OM4.5.2	Text		milliliter	Changeable Data
	OM4.5.3	Name of Coding System		UCUM	Changeable Data
	OM4.5.7	Coding System Version ID		1.8	Changeable Data
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
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
OM4.16	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	Container Description		Lavender Top (EDTA) tube	Changeable Data
OM4.3[2]	Container Description		Pink Top (K2EDTA) tube	Changeable Data
OM4.4	Container Volume		3.0	Changeable Data
OM4.4[2]	Container Volume		3.0	Changeable Data
OM4.5	Container Units			
	OM4.5.1	Identifier	mL	Changeable Data
	OM4.5.2	Text	milliliters	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	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			

Location	Identifier	Data Element	119297000	Data	Test Case Fixed Data	Categorization
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			99USL		Changeable Data
OM4.6.7	Coding System Version ID			201509-US Ed		Changeable Data
OM4.6.8	Alternate Coding System Version ID			2014		Changeable Data
OM4.6.9	Original Text			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 smears 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	Specimen Handling Code					
OM4.15.1	Identifier			CREF		Changeable Data
OM4.15.2	Text			Critical refrigerated		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
OM4.16	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	Container Description	Sterile, plastic, leak proof container	Changeable Data
OM4.4	Container Volume	4	Changeable Data
OM4.5	Container Units		
OM4.5.1	Identifier	[foz_us]	Changeable Data
OM4.5.2	Text	fluid ounce (US)	Changeable Data
OM4.5.3	Name of Coding System	UCUM	Changeable Data
OM4.5.7	Coding System Version ID	1.8	Changeable Data
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 Location	Alternate Test Data Element	Random urine Data	Changeable Data Categorization
OM4.6.6	Name of Alternate Coding System	99USL	Changeable Data
OM4.6.7	Coding System Version ID	201509-US Ed	Changeable Data
OM4.6.8	Alternate Coding System Version ID	2014	Changeable Data
OM4.6.9	Original Text	Random urine	Changeable Data
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	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
OM4.16	Specimen Preference	P	Test Case Fixed Data

Element	Data
Identifier	OMC
Event code	UPD

Panel/Test battery Information - GHP
Record information

Element	Data
Event code	MDC
Effective date and time	20131219145310
Test/Panel Name	GHP
Test/Panel identifier (code system)	800 (99USL)

General information

Element	Data
Specimen required ?	Y
Preferred Report Name	General Health Profile
Is the test/panel orderable ?	Y
Nature	S
Interpretation	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 test	Insufficient specimen, Gross hemolysis, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Replacement test	CMP
Replacement test (code & code system)	100 (99USL)
Replacement test	Comprehensive Urinalysis
Replacement test (code & code system)	300 (99USL)
Replacement test	CBC_diff
Replacement test (code & code system)	200 (99USL)
Replacement test	TSH
Replacement test (code & code system)	700 (99USL)
Expected turn around time	1 day

Panel/Test battery Details

Element	Data
Test included in panel/test battery	CMP
Test included in panel/test battery (code & code system)	100 (99USL)
Test included in panel/test battery	CBC_diff
Test included in panel/test battery (code & code system)	200 (99USL)
Test included in panel/test battery	TSH
Test included in panel/test battery (code & code system)	700 (99USL)
Test included in panel/test battery	Comprehensive Urinalysis
Test included in panel/test battery (code & code system)	300 (99USL)

Specimen information details

Element	Data
Sequence ID	1
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0

Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Specimen information details

Element	Data
Sequence ID	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 (code & code system)	mL (UCUM)
Container units	milliliters
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119297000 (SCT)
Specimen (code & code system)	EDTK (HL70371)
Normal collection volume	3
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Refrigeration is required if specimen is not brought immediately to laboratory. Two blood smears 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 Handling Code (code & code system)	CREF (HL70376)
Specimen Preference	P

Specimen information details

Element	Data
Sequence ID	1.3
Container description	Sterile, plastic, leak proof container
Container volume	4
Container units	fluid ounce (US)
Container units (code & code system)	[foz_us] (UCUM)
Specimen (code & code system)	122575003 (SCT)

Normal collection volume	20
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	4
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Keep refrigerated
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

MSH|^~&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M10^MFN_M10|EDOS_2.0_2.1-M10-NG|D|2.5.1|||||EDOS_Common_Component^EDOS Base Profile^2.16.840.1.113883.9.69^ISO~EDOS_NG_Component^EDOS NG Profile^2.16.840.1.113883.9.69^ISO

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

MFE|MDC||20131219145310|800^GHP^99USL^^^^20130421|CWE

OM1|1|800^GHP^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013|||General Health Profile||Y||||S|||||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^99USL^^^^2013~300^Comprehensive Urinalysis^99USL^^^^2013~200^CBC_diff^99USL^^^^2013~700^TSH^99USL^^^^2013|||1^d&day&UCUM&&&&1.8

OM5|1|100^CMP^99USL^24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^^2.42~200^CBC_diff^99USL^57021-8^CB
C W Auto Differential panel in Blood^LN^^2.42~700^TSH^99USL^3016-3^Thyrotropin [Units/volume] in Serum or Plasma^LN^^2.42~300^Comprehensive Urinalysis^99USL^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^milliliter^UCUM^^^^1.8~mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^201509-US Ed|||1^mL&milliliter&UCUM|0.5^mL&milliliter&UCUM&&&&1.8|Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.||REF^Refrigerated temperature^HL70376^^^^2.5.1|P

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^99USL^201509-US Ed^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 smears 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|[föz_us]^fluid ounce (US)^UCUM^^^^1.8|122575003^Urine specimen^SCT^UR^Random urine^99USL^201509-US Ed^2014^Random urine|||20^mL&milliliter&UCUM&&&&1.8|4^mL&milliliter&UCUM&&&&1.8|Keep refrigerated||REF^Refrigerated temperature^HL70376^^^^2.5.1|P