

Element	Data
Identifier	OMM
Event code	REP

#### Test Details - Erythrocyte sedimentation rate

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Erythrocyte sedimentation rate
Test/Panel identifier (code system)	500 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocyte sedimentation rate
Test/Panel other identifier (code system)	30341-2 (LN)
Test/Panel other name	Erythrocyte sedimentation rate measurement
Test/Panel other identifier (code system)	416838001 (SCT)
Preferred Report Name	Erythrocyte sedimentation rate
Is the test/panel orderable ?	Y
Nature	A
Interpretation	The erythrocyte sedimentation rate is a nonspecific measure of inflammatory disease.
Factors that may affect the test	Insufficient blood, Clotting, Hemolysis, Blood specimen received > 12 hours after collection.
Schedule	Daily
Schedule	Continuously
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Test alias	Westergren
Test alias	Sed Rate
Special Instructions	Please include tentative diagnosis/treatment on the request form.
Special Instructions	Please direct any questions regarding this test to the hematology division.
Test Relationship Category	Clinical Pathology
Test Relationship Category (code & code system)	CP (99USL)
Test Relationship Category	Hematology
Test Relationship Category (code & code system)	HM (99USL)
Expected turn around time	1 day

##### Numeric test details

Element	Data
Unit of measure	millimeter per hour
Unit of measure (code & code system)	mm/h (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

##### Specimen information details

Element	Data
Sequence ID	1.1
Container description	Black Top Tube (Vac-Tec)
Container volume	3.0

Container units	milliliters
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119297000 (SCT)
Specimen (code & code system)	WEST (HL70371)
Normal collection volume	2.4
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	2.4
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Specimen must be received and tested within 4-6 hrs of collection..
Specimen Handling Code	Critical refrigerated
Specimen Handling Code (code & code system)	CREF (HL70376)
Specimen Handling Code	Metal Free
Specimen Handling Code (code & code system)	MTLF (HL70376)
Specimen Preference	P

#### Specimen information details

Element	Data
Sequence ID	1.2
Container description	Lavender Top (EDTA) tube
Container volume	3.0
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	2.4
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	2.4
Normal collection volume unit	milliliters
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Specimen must be received and tested within 4-6 hrs of collection.
Specimen Handling Code	Critical refrigerated
Specimen Handling Code (code & code system)	CREF (HL70376)
Specimen Handling Code	Metal Free
Specimen Handling Code (code & code system)	MTLF (HL70376)
Specimen Preference	A
Preferred Specimen Sequence ID	1.1

#### Test Details - Erythrocytes, blood Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Erythrocytes, blood
Test/Panel identifier (code system)	202 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocytes [#/volume] in Blood

Test/Panel other identifier (code system)	26453-1 (LN)
Preferred Report Name	Erythrocytes, blood
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	trillion per liter
Unit of measure (code & code system)	10 <sup>12</sup> /L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Specimen information details

Element	Data
Sequence ID	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

#### Test Details - Hemoglobin (Hb)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hemoglobin (Hb)

Test/Panel identifier (code system)

256 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hemoglobin [Mass/volume] in Blood
Test/Panel other identifier (code system)	718-7 (LN)
Preferred Report Name	Hemoglobin
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Reduced hemoglobin levels indicate anemia which is commonly caused by loss of blood, nutritional deficiency, bone marrow problems, chemotherapy, kidney failure, hyper hydration, or abnormal hemoglobin (such as that of sickle-cell disease). Increase in hemoglobin levels are due to exposure to high altitudes, smoking, dehydration, or tumors. Increase in red blood cell number or size also result in increased hemoglobin levels. Hemoglobin levels are also impacted by genetic diseases, for example porphyria.
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Numeric test details

Element	Data
Unit of measure	gram per deciliter
Unit of measure (code & code system)	g/dL (UCUM)

## Test Details - Hematocrit

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hematocrit
Test/Panel identifier (code system)	204 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hematocrit [Volume Fraction] of Blood
Test/Panel other identifier (code system)	20570-8 (LN)
Preferred Report Name	Hematocrit
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Numeric test details

Element	Data
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Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)

#### Specimen information details

Element	Data
Sequence ID	4
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

#### Test Details - Leukocytes, blood

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Leukocytes, blood
Test/Panel identifier (code system)	206 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Leukocytes [#/volume] in Blood
Test/Panel other identifier (code system)	26464-8 (LN)
Preferred Report Name	Leukocytes, blood
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Numeric test details

#### NUMERIC TEST DETAILS

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Specimen information details

Element	Data
Sequence ID	5
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

#### Test Details - Platelets

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Platelets
Test/Panel identifier (code system)	208 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Platelets [#/volume] in Blood
Test/Panel other identifier (code system)	26515-7 (LN)
Preferred Report Name	Platelets
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling., improper tube, clotted

	specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	thousand per microliter
Unit of measure (code & code system)	10*3/uL (UCUM)

Specimen information details

Element	Data
Sequence ID	6
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

Test Details - Mean corpuscular volume (MCV)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Mean corpuscular volume (MCV)
Test/Panel identifier (code system)	210 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocyte mean corpuscular volume [Entitic volume]
Test/Panel other identifier (code system)	30428-7 (LN)
Preferred Report Name	Mean corpuscular volume (MCV)
Is the test/panel orderable ?	Y
Nature	A

Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	femtoliter
Unit of measure (code & code system)	fL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Test Details - Mean corpuscular hemoglobin (MCH)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Mean corpuscular hemoglobin (MCH)
Test/Panel identifier (code system)	212 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocyte mean corpuscular hemoglobin [Entitic mass]
Test/Panel other identifier (code system)	28539-5 (LN)
Preferred Report Name	Mean corpuscular hemoglobin (MCH)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	picogram per cell
Unit of measure (code & code system)	pg/{cell} (UCUM)

Test Details - Mean corpuscular hemoglobin Concentration (MCHC)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Mean corpuscular hemoglobin Concentration (MCHC)
Test/Panel identifier (code system)	214 (99USL)

General information

Element	Data
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Specimen required ?	Y
Test/Panel other name	Erythrocyte mean corpuscular hemoglobin concentration [Mass/volume]
Test/Panel other identifier (code system)	28540-3 (LN)
Preferred Report Name	Mean corpuscular hemoglobin Concentration (MCHC)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	gram per deciliter
Unit of measure (code & code system)	g/dL (UCUM)

Test Details - Red blood cell distribution width (RDW )

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Red blood cell distribution width (RDW )
Test/Panel identifier (code system)	216 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocyte distribution width [Ratio]
Test/Panel other identifier (code system)	30385-9 (LN)
Preferred Report Name	Red blood cell distribution width (RDW )
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Test Details - Basophils

Record information

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Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Basophils
Test/Panel identifier (code system)	218 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Basophils [#volume] in Blood
Test/Panel other identifier (code system)	26444-0 (LN)
Preferred Report Name	Basophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)

Test Details - % Basophils

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	% Basophils
Test/Panel identifier (code system)	220 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Basophils/100 leukocytes in Blood
Test/Panel other identifier (code system)	30180-4 (LN)
Preferred Report Name	% Basophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)

## Test Details - Monocytes

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Monocytes
Test/Panel identifier (code system)	222 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Monocytes [#/volume] in Blood
Test/Panel other identifier (code system)	26484-6 (LN)
Preferred Report Name	Monocytes
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Numeric test details

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)

## Test Details - % Monocytes

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	% Monocytes
Test/Panel identifier (code system)	224 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Monocytes/100 leukocytes in Blood
Test/Panel other identifier (code system)	26485-3 (LN)
Preferred Report Name	% Monocytes
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Numeric test details

Element	Data
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Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)

#### Test Details - Eosinophils

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Eosinophils
Test/Panel identifier (code system)	226 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Eosinophils [#/volume] in Blood
Test/Panel other identifier (code system)	26449-9 (LN)
Preferred Report Name	Eosinophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Numeric test details

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)

#### Test Details - % Eosinophils

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	% Eosinophils
Test/Panel identifier (code system)	228 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Eosinophils/100 leukocytes in Blood
Test/Panel other identifier (code system)	26450-7 (LN)
Preferred Report Name	% Eosinophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)

Test Details - Lymphocytes

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Lymphocytes
Test/Panel identifier (code system)	230 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Lymphocytes [#/volume] in Blood
Test/Panel other identifier (code system)	26474-7 (LN)
Preferred Report Name	Lymphocytes
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)

Test Details - % Lymphocytes

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	% Lymphocytes
Test/Panel identifier (code system)	232 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Lymphocytes/100 leukocytes in Blood
Test/Panel other identifier (code system)	26478-8 (LN)
Preferred Report Name	% Lymphocytes
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N

Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	percent
Unit of measure (code & code system)	%(UCUM)

Test Details - Neutrophils

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Neutrophils
Test/Panel identifier (code system)	234 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Neutrophils [#/volume] in Blood
Test/Panel other identifier (code system)	26499-4 (LN)
Preferred Report Name	Neutrophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	billion per liter
Unit of measure (code & code system)	10*9/L (UCUM)

Test Details - % Neutrophils

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	% Neutrophils
Test/Panel identifier (code system)	236 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Neutrophils/100 leukocytes in Blood
Test/Panel other identifier (code system)	26511-6 (LN)
Preferred Report Name	% Neutrophils
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.

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

Numeric test details

Element	Data
Unit of measure	percent
Unit of measure (code & code system)	% (UCUM)

Test Details - Anisocytosis

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Anisocytosis
Test/Panel identifier (code system)	238 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Anisocytosis [Presence] in Blood
Test/Panel other identifier (code system)	38892-6 (LN)
Preferred Report Name	Anisocytosis
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

Test Details - Hypochromia

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hypochromia
Test/Panel identifier (code system)	240 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hypochromia [Presence] in Blood
Test/Panel other identifier (code system)	30400-6 (LN)
Preferred Report Name	Hypochromia

Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

#### Test Details - Macrocytosis

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Macrocytosis
Test/Panel identifier (code system)	242 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Macrocytes [Presence] in Blood
Test/Panel other identifier (code system)	30424-6 (LN)
Preferred Report Name	Macrocytosis
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

#### Test Details - Microcytosis

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310



Test/Panel Name	Microcytosis
Test/Panel identifier (code system)	244 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Microcytes [Presence] in Blood
Test/Panel other identifier (code system)	30434-5 (LN)
Preferred Report Name	Microcytosis
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling,, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

Test Details - Poikilocytosis

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Poikilocytosis
Test/Panel identifier (code system)	246 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Poikilocytosis [Presence] in Blood by Light microscopy
Test/Panel other identifier (code system)	779-9 (LN)
Preferred Report Name	Poikilocytosis
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling,, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)

Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

#### Test Details - Polychromasia

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Polychromasia
Test/Panel identifier (code system)	248 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Polychromasia [Presence] in Blood by Light microscopy
Test/Panel other identifier (code system)	10378-8 (LN)
Preferred Report Name	Polychromasia
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	detected (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Value type	CWE

#### Test Details - RBC morphology

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	RBC morphology
Test/Panel identifier (code system)	250 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocyte morphology finding [Identifier] in Blood
Test/Panel other identifier (code system)	6742-1 (LN)
Preferred Report Name	RBC morphology
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.

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

#### Categorical test details

Element	Data
Normal Text/Codes	normal (qualifier value)
Normal Text/Codes (code & code system)	17621005 (SCT)
Abnormal Text/Codes	Erythrocyte agglutination (morphologic abnormality)
Abnormal Text/Codes (code & code system)	19669003 (SCT)
Abnormal Text/Codes	Heinz bodies (finding)
Abnormal Text/Codes (code & code system)	250236003 (SCT)
Abnormal Text/Codes	Rouleaux (finding)
Abnormal Text/Codes (code & code system)	165496003 (SCT)
Abnormal Text/Codes	Dimorphic red blood cell population (finding)
Abnormal Text/Codes (code & code system)	250240007 (SCT)
Abnormal Text/Codes	Basophilic stippling, erythrocytes (finding)
Abnormal Text/Codes (code & code system)	397063002 (SCT)
Abnormal Text/Codes	Hemoglobin C crystals (finding)
Abnormal Text/Codes (code & code system)	397067001 (SCT)
Abnormal Text/Codes	Howell Jolly bodies (finding)
Abnormal Text/Codes (code & code system)	250234000 (SCT)
Abnormal Text/Codes	Pappenheimer bodies (finding)
Abnormal Text/Codes (code & code system)	250235004 (SCT)
Abnormal Text/Codes	Burr cells present (finding)
Abnormal Text/Codes (code & code system)	313235003 (SCT)
Abnormal Text/Codes	Ringed sideroblast (finding)
Abnormal Text/Codes (code & code system)	259679003 (SCT)
Abnormal Text/Codes	Cabot's ring bodies (finding)
Abnormal Text/Codes (code & code system)	397062007 (SCT)
Value type	CWE

#### Test Details - WBC morphology

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	WBC morphology
Test/Panel identifier (code system)	252 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Leukocyte morphology finding [Identifier] in Blood
Test/Panel other identifier (code system)	11156-7 (LN)
Preferred Report Name	WBC morphology
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N

Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	normal (qualifier value)
Normal Text/Codes (code & code system)	17621005 (SCT)
Normal Text/Codes	Segmented neutrophil (cell)
Normal Text/Codes (code & code system)	80153006 (SCT)
Normal Text/Codes	Monocyte (cell)
Normal Text/Codes (code & code system)	55918008 (SCT)
Normal Text/Codes	Lymphocyte (cell)
Normal Text/Codes (code & code system)	56972008 (SCT)
Abnormal Text/Codes	Left shifted white blood cells (finding)
Abnormal Text/Codes (code & code system)	87361006 (SCT)
Abnormal Text/Codes	Right shifted white blood cells (finding)
Abnormal Text/Codes (code & code system)	50551008 (SCT)
Abnormal Text/Codes	Dohle body (finding)
Abnormal Text/Codes (code & code system)	259715006 (SCT)
Abnormal Text/Codes	Hypersegmentation (finding)
Abnormal Text/Codes (code & code system)	250275007 (SCT)
Abnormal Text/Codes	Ring-form neutrophil (finding)
Abnormal Text/Codes (code & code system)	250277004 (SCT)
Abnormal Text/Codes	Pelger-Huet cell (finding)
Abnormal Text/Codes (code & code system)	15111002 (SCT)
Abnormal Text/Codes	Drumstick nuclear appendage (finding)
Abnormal Text/Codes (code & code system)	250282006 (SCT)
Abnormal Text/Codes	Cytoplasmic vacuolation (finding)
Abnormal Text/Codes (code & code system)	250281004 (SCT)
Abnormal Text/Codes	Sensitized leukocyte (finding)
Abnormal Text/Codes (code & code system)	64668006 (SCT)

#### Test Details - Platelet morphology

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Platelet morphology
Test/Panel identifier (code system)	254 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Platelet morphology finding [Identifier] in Blood
Test/Panel other identifier (code system)	11125-2 (LN)
Preferred Report Name	Platelet morphology
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling, improper tube, clotted specimen, hemolyzed sample, dilution of blood.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB

Expected turn around time

1 day

## Categorical test details

Element	Data
Normal Text/Codes	normal (qualifier value)
Normal Text/Codes (code & code system)	17621005 (SCT)
Abnormal Text/Codes	Platelet clumps (finding)
Abnormal Text/Codes (code & code system)	134204007 (SCT)
Abnormal Text/Codes	Giant platelet (morphologic abnormality)
Abnormal Text/Codes (code & code system)	44687006 (SCT)
Abnormal Text/Codes	Dysplastic platelet (morphologic abnormality)
Abnormal Text/Codes (code & code system)	25624002 (SCT)

## Test Details - Color of Urine

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Color of Urine
Test/Panel identifier (code system)	344 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Color of Urine
Test/Panel other identifier (code system)	5778-6 (LN)
Preferred Report Name	Color of Urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Dark brown or smoky urine suggests a renal source of hematuria, pink or red urine are indications of extra renal sources. Deep purple urine suggests porphyria.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Categorical test details

Element	Data
Normal Text/Codes	Normal color (finding)
Normal Text/Codes (code & code system)	77775007 (SCT)
Abnormal Text/Codes	Milky urine (finding)
Abnormal Text/Codes (code & code system)	50935005 (SCT)
Abnormal Text/Codes	Pink color (finding)
Abnormal Text/Codes (code & code system)	28977008 (SCT)
Abnormal Text/Codes	Red color (finding)
Abnormal Text/Codes (code & code system)	386713009 (SCT)
Abnormal Text/Codes	Dark color (finding)
Abnormal Text/Codes (code & code system)	73112009 (SCT)
Value type	CWE

## Test Details - Clarity of Urine

## Record information

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Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Clarity of Urine
Test/Panel identifier (code system)	346 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Clarity of Urine
Test/Panel other identifier (code system)	32167-9 (LN)
Preferred Report Name	Clarity of Urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Increased turbidity of urine is an indication of increased cell numbers (erythrocytes or leukocytes), presence of bacteria, presence of crystals, lipiduria, increased mucus content, semen or fecal contamination.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Categorical test details

Element	Data
Normal Text/Codes	Urine: looks clear (finding)
Normal Text/Codes (code & code system)	167236000 (SCT)
Abnormal Text/Codes	Cloudy urine (finding)
Abnormal Text/Codes (code & code system)	7766007 (SCT)
Abnormal Text/Codes	Urine: turbid (finding)
Abnormal Text/Codes (code & code system)	167238004 (SCT)
Value type	CWE

Test Details - Erythrocytes, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Erythrocytes, urine
Test/Panel identifier (code system)	302 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Erythrocytes [#area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	46419-8 (LN)
Preferred Report Name	Erythrocytes, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of more than the occasional are an indication of hemorrhage in the urinary tract system. Dysmorphic red cells can indicate glomerulonephritis.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.

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

Numeric test details

Element	Data
Unit of measure	per high power field
Unit of measure (code & code system)	{/HPF} (UCUM)

Test Details - Leukocytes, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Leukocytes, urine
Test/Panel identifier (code system)	304 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Leukocytes [#/area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	46702-7 (LN)
Preferred Report Name	Leukocytes, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of more than the occasional leukocytes are an indication of inflammation in the genitourinary tract.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	per high power field
Unit of measure (code & code system)	{/HPF} (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Test Details - Leukocyte clumps, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Leukocyte clumps, urine
Test/Panel identifier (code system)	306 (99USL)

General information

Element	Data
Specimen required ?	Y
	Leukocyte clumps [#/area] in Urine sediment by Automated

Test/Panel other name	count
Test/Panel other identifier (code system)	50233-6 (LN)
Preferred Report Name	Leukocyte clumps, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Clumping leukocytes occur with a high number of leukocytes, a good indicator of inflammation in the genitourinary tract.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	per high power field
Unit of measure (code & code system)	{/HPF} (UCUM)

#### Test Details - Non-squamous epithelial cells. , urine

#### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Non-squamous epithelial cells. , urine
Test/Panel identifier (code system)	308 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Epithelial cells.non-squamous [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	53294-5 (LN)
Preferred Report Name	Non-squamous epithelial cells, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Any large number of non-squamous epithelial cells can indicate a neoplasm in the genitourinary tract. A follow up cytological analysis is recommended, when neoplasia is suspected.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)

#### Test Details - Squamous epithelial cells. , urine

#### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310



Test/Panel Name	Squamous epithelial cells. , urine
Test/Panel identifier (code system)	310 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Epithelial cells.squamous [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	33219-7 (LN)
Preferred Report Name	Squamous epithelial cells. , urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	A few squamous epithelial cells are normal in random urine, a large number suggests contamination of the sample, by incorrectly or insufficiently cleaning prior to collection.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	per high power field
Unit of measure (code & code system)	{/HPF} (UCUM)

Test Details - Bacteria, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Bacteria, urine
Test/Panel identifier (code system)	314 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Bacteria [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	33218-9 (LN)
Preferred Report Name	Bacteria, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of bacteria, especially in large numbers indicate infection in the urinary tract. A urine culture is recommended.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	per high power field
Unit of measure (code & code system)	{/HPF} (UCUM)

### Test Details - Crystals , urine

#### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Crystals , urine
Test/Panel identifier (code system)	312 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Crystals [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	53322-4 (LN)
Preferred Report Name	Crystals , urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	This is most useful in warm fresh urine for differential diagnosis of hematuria, nephrolithiasis or toxin ingestion. There are several types of crystals indicating different disease origin. Review of urine pH as well as the polarizing microscopy are recommended for further identification.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)

### Test Details - Hyaline casts

#### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hyaline casts
Test/Panel identifier (code system)	316 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hyaline casts [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	33223-9 (LN)
Preferred Report Name	Hyaline casts
Is the test/panel orderable ?	N
Nature	A
Interpretation	Hyaline casts are the most common type of casts. They are solidified Tamm-Horsfall mucoprotein secreted from the tubular epithelial cells of individual nephrons. Low urine flow, concentrated urine, or an acidic environment can contribute to the formation of hyaline casts, and, as such, they may be seen in normal individuals in dehydration or vigorous exercise. They often form the basis of other cast types due to inclusion or adhesion of

	other elements and can also indicate several types of renal disease.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)

#### Test Details - Casts Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Casts
Test/Panel identifier (code system)	318 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Casts [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	43755-8 (LN)
Preferred Report Name	Casts
Is the test/panel orderable ?	N
Nature	A
Interpretation	Any kind of casts are counted in this test - there are several kinds of casts: Granular casts are the second-most common type of cast, resulting from break down of cellular casts, or inclusion of plasma proteins. They are most often indicative of chronic renal disease. Exception here is the muddy brown cast, which is an indication of acute tubular necrosis. Waxy casts can be found in urine from patients in renal failure. Fatty casts are indicators of high protein nephrotic syndrome. Pigment casts can indicate hemolytic anemia, rhabdomyolysis and liver disease. They also occur with some medication. Cellular casts: Red blood cell cast always indicate glomerular damage. White blood cell casts are suggestive of pyelonephritis, and may also be seen in inflammatory states, such as acute allergic interstitial nephritis, nephrotic syndrome, or post-streptococcal acute glomerulonephritis.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)

#### Test Details - Spermatozoa, urine Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Spermatozoa, urine
Test/Panel identifier (code system)	320 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Spermatozoa [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	53324-0 (LN)
Preferred Report Name	Spermatozoa, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of sperm in male urine can be indicative of retrograde ejaculation.
Factors that may affect the test	Insufficient specimen, Improper labeling., presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)

Test Details - Mucus, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Mucus, urine
Test/Panel identifier (code system)	322 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Mucus [# /area] in Urine sediment by Automated count
Test/Panel other identifier (code system)	50235-1 (LN)
Preferred Report Name	Mucus, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	In the majority presence of mucus in urine is an indicator of a urinary tract infection. Other causes are kidney stone or neoplasm.
Factors that may affect the test	Insufficient specimen, Improper labeling., presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
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Unit of measure	per low power field
Unit of measure (code & code system)	{/LPF} (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Test Details - Total bilirubin, urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Total bilirubin, urine
Test/Panel identifier (code system)	324 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Bilirubin.total [Mass/volume] in Urine by Automated test strip
Test/Panel other identifier (code system)	53327-3 (LN)
Preferred Report Name	Total bilirubin, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Bilirubin in urine may indicate liver damage or disease.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Numeric test details

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

##### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	Present + out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Abnormal Text/Codes	Present ++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260348001 (SCT)
Abnormal Text/Codes	Present +++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260349009 (SCT)
Abnormal Text/Codes	Present ++++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260350009 (SCT)
Value type	CWE

#### Test Details - Glucose, urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310

Test/Panel Name	Glucose, urine
Test/Panel identifier (code system)	326 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Glucose [Presence] in Urine
Test/Panel other identifier (code system)	2349-9 (LN)
Preferred Long Name	Glucose, Semi quantitative, Urine
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Test for detection and monitoring of diabetes mellitus.
Patient preparation	Collect random urine in a clean plastic container. Label the urine container with the patient's full name and the date and time of collection, refrigerate after collection.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Specimen information details

Element	Data
Sequence ID	44
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

Test Details - Hemoglobin, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hemoglobin, urine
Test/Panel identifier (code system)	328 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hemoglobin [Mass/volume] in Urine by Automated test strip
Test/Panel other identifier (code system)	50559-4 (LN)
Preferred Report Name	Hemoglobin, urine

Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of hemoglobin is often associated with hemolytic or sickle cell anemia, though it requires work up for renal cancer, pyelonephritis, tuberculosis or malaria, and acute lead poisoning and trauma. In small amounts it may occur after strenuous exercise.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	Present + out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Abnormal Text/Codes	Present ++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260348001 (SCT)
Abnormal Text/Codes	Present +++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260349009 (SCT)
Abnormal Text/Codes	Present ++++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260350009 (SCT)
Value type	CWE

#### Specimen information details

Element	Data
Sequence ID	45
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

#### Test Details - Ketones , urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Ketones , urine
Test/Panel identifier (code system)	330 (99USL)

#### General information

GENERAL INFORMATION

Element	Data
Specimen required ?	Y
Test/Panel other name	Ketones [Mass/volume] in Urine by Automated test strip
Test/Panel other identifier (code system)	50557-8 (LN)
Preferred Report Name	Ketones , urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Ketones in urine occur more commonly in type I diabetes mellitus, but can also be observed during starvation.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	Present + out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Abnormal Text/Codes	Present ++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260348001 (SCT)
Abnormal Text/Codes	Present +++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260349009 (SCT)
Abnormal Text/Codes	Present ++++ out of ++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260350009 (SCT)
Value type	CWE

Test Details - Leukocyte esterase, urine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Leukocyte esterase, urine
Test/Panel identifier (code system)	332 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Leukocyte esterase [Presence] in Urine by Automated test strip
Test/Panel other identifier (code system)	60026-2 (LN)
Preferred Report Name	Leukocyte esterase, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	Presence of leukocyte esterase can be used as a screening for urinary tract infection, though even in combination with nitrite results the sensitivity (24%) and specificity (94%) are low. A urine culture is the gold standard diagnosing a urinary tract infection and is recommended.
Factors that may affect the test	Insufficient specimen, Improper labeling, , presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N



Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	Present + out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Abnormal Text/Codes	Present ++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260348001 (SCT)
Abnormal Text/Codes	Present +++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260349009 (SCT)
Abnormal Text/Codes	Present ++++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260350009 (SCT)
Value type	CWE

#### Test Details - Nitrite, urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Nitrite, urine
Test/Panel identifier (code system)	334 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Nitrite [Presence] in Urine by Automated test strip
Test/Panel other identifier (code system)	50558-6 (LN)
Preferred Report Name	Nitrite, urine
Is the test/panel orderable ?	N
Nature	A
Interpretation	This test is often included as a screening test for urinary tract infections, however it has been found to have low sensitivity (24%) and specificity (94%), even when used in combination with results from the Leukocyte Esterase test. The best test for urinary tract infect detection is still the urine culture.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Categorical test details

Element	Data
Normal Text/Codes	Not detected
Normal Text/Codes (code & code system)	260415000 (SCT)
Abnormal Text/Codes	Present + out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260347006 (SCT)
Abnormal Text/Codes	Present ++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260348001 (SCT)
Abnormal Text/Codes	Present +++ out of++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260349009 (SCT)

Abnormal Text/Codes	Present +++++ out of +++++ (qualifier value)
Abnormal Text/Codes (code & code system)	260350009 (SCT)
Value type	CWE

#### Specimen information details

Element	Data
Sequence ID	48
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

#### Test Details - Urine pH

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Urine pH
Test/Panel identifier (code system)	336 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	pH of Urine by Automated test strip
Test/Panel other identifier (code system)	50560-2 (LN)
Preferred Report Name	Urine pH
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Changes in pH are an indicator of the acid-base balance in the body, which may be helpful in determining subtle presence of distal renal tubular disease or pyelonephritis as well as identifying crystals in urine and determining predisposition to form a given type of stone.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Numeric test details

Element	Data
Unit of measure	pH
Unit of measure (code & code system)	[pH] (UCUM)

## Specimen information details

Element	Data
Sequence ID	49
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

Test Details - Protein, urine  
Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Protein, urine
Test/Panel identifier (code system)	338 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Protein [Mass/volume] in Urine by Automated test strip
Test/Panel other identifier (code system)	50561-0 (LN)
Preferred Report Name	Protein, urine
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Proteinuria is an indication of kidney disease, which can be caused by several conditions, most commonly diabetes mellitus and hypertension. Other cause of protein in urine are toxins, some medications, trauma or infections. Proteinuria can also occur in pregnant women as part of preeclampsia.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N

Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

#### Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Specimen information details

Element	Data
Sequence ID	50
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

#### Test Details - Urobilinogen

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Urobilinogen
Test/Panel identifier (code system)	340 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Urobilinogen [Mass/volume] in Urine by Automated test strip
Test/Panel other identifier (code system)	50563-6 (LN)
Preferred Report Name	Urobilinogen
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Urinary urobilinogen may be increased in the presence of a hemolytic process such as hemolytic anemia. It may also be increased with infectious hepatitis, or with cirrhosis.
Factors that may affect the test	Insufficient specimen, Improper labeling., presence of preservatives, warm sample.
Schedule	Daily

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

Numeric test details

Element	Data
Unit of measure	Ehrlich unit per deciliter
Unit of measure (code & code system)	{Ehrlich'U}/dL (UCUM)

Specimen information details

Element	Data
Sequence ID	51
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

Test Details - Urine specific gravity

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Urine specific gravity
Test/Panel identifier (code system)	342 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Specific gravity of Urine by Automated test strip
Test/Panel other identifier (code system)	53326-5 (LN)
Preferred Report Name	Urine specific gravity
Is the test/panel orderable ?	Y
Nature	A
Interpretation	The specific gravity of urine is used to obtain information about the state of the kidney and the state of hydration of the patient.
Factors that may affect the test	Insufficient specimen, Improper labeling, presence of preservatives, warm sample.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
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Unit of measure	specific gravity
Unit of measure (code & code system)	{Specific gravity} (UCUM)

#### Specimen information details

Element	Data
Sequence ID	52
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

#### Test Details - Serum Glucose Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Serum Glucose
Test/Panel identifier (code system)	104 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Glucose [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2345-7 (LN)
Preferred Report Name	Serum Glucose
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Ask at Order Entry questions

Element	Data
AOE question	Fasting Status
AOE question (code & code system)	1902 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	Relevant Clinical Information
Is an answer required ?	Y
	Might be good to ask if fasting was more than 8 hours in order to

Hint/Help Text	answer as "Patient was fasting"
Type of Answer	CWE
Answer Choices (code & code system)	F (HL70916)
Answer Choices (code & code system)	NF (HL70916)
Answer Choices (code & code system)	U (HL70353)

Numeric test details

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

Specimen information details

Element	Data
Sequence ID	53
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Blood Urea Nitrogen (BUN)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Blood Urea Nitrogen (BUN)
Test/Panel identifier (code system)	106 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Urea nitrogen [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	3094-0 (LN)
Preferred Report Name	Blood Urea Nitrogen (BUN)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily

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

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Specimen information details

Element	Data
Sequence ID	54
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Creatinine

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Creatinine
Test/Panel identifier (code system)	102 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Creatinine [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2160-0 (LN)
Preferred Report Name	Creatinine
Is the test/panel orderable ?	Y
Nature	A



Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Race/subspecies	Non -African American
Reference range Race/subspecies (code & code system)	NAA (99USL)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)
Reference range Race/subspecies	Non African American
Reference range Race/subspecies (code & code system)	NAA (99USL)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Race/subspecies	Black or African American
Reference range Race/subspecies (code & code system)	2054-5 (HL70005)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)
Reference range Race/subspecies	Black or African American
Reference range Race/subspecies (code & code system)	2054-5 (HL70005)

Specimen information details

Element	Data
Sequence ID	55
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - BUN/Creatinine Ratio

Record information

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	BUN/Creatinine Ratio
Test/Panel identifier (code system)	108 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Urea nitrogen/Creatinine [Mass Ratio] in Serum or Plasma
Test/Panel other identifier (code system)	3097-3 (LN)
Preferred Report Name	BUN/Creatinine Ratio
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	Ratio
Unit of measure (code & code system)	{Ratio} (UCUM)

Test Details - GFR, calculated

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	GFR, calculated
Test/Panel identifier (code system)	110 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Glomerular filtration rate/1.73 sq M.predicted by Creatinine-based formula (MDRD)
Test/Panel other identifier (code system)	33914-3 (LN)
Preferred Report Name	GFR, calculated
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	What is the Clinically Relevant Race for eGFR?
AOE question (code & code system)	1906 (99USL)

Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Type of Answer	CWE
Answer Choices (code & code system)	2028-9 (HL70005)
Answer Choices (code & code system)	2106-3 (HL70005)
Answer Choices (code & code system)	1002-5 (HL70005)
Answer Choices (code & code system)	2054-5 (HL70005)
Answer Choices (code & code system)	2076-8 (HL70005)

Numeric test details

Element	Data
Unit of measure	milliliter per minute per 1.73 square meter
Unit of measure (code & code system)	mL/min/{1.73_m2} (UCUM)
Reference range Race/subspecies	Black or African American
Reference range Race/subspecies (code & code system)	2054-5 (HL70005)
Reference range Race/subspecies	Non African American
Reference range Race/subspecies (code & code system)	NAA (99USL)

Test Details - Calcium

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Calcium
Test/Panel identifier (code system)	112 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Calcium [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	17861-6 (LN)
Preferred Report Name	Calcium
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)
Critical range Administrative Sex	Male
Critical range Administrative Sex (code & code system)	M (HL70001)
Critical range Administrative Sex	Female

## Specimen information details

Element	Data
Sequence ID	58
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

## Test Details - Total protein, serum

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Total protein, serum
Test/Panel identifier (code system)	114 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Protein [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2885-2 (LN)
Preferred Report Name	Total protein, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

## Numeric test details

Element	Data
Unit of measure	gram per deciliter
Unit of measure (code & code system)	g/dL (UCUM)
Reference range Administrative Sex	Male

Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Specimen information details

Element	Data
Sequence ID	59
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

#### Test Details - Albumin Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Albumin
Test/Panel identifier (code system)	116 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Albumin [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	1751-7 (LN)
Preferred Report Name	Albumin
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data

Unit of measure	gram per deciliter
Unit of measure (code & code system)	g/dL (UCUM)

#### Specimen information details

Element	Data
Sequence ID	60
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

#### Test Details - Globulin Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Globulin
Test/Panel identifier (code system)	118 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Globulin [Mass/volume] in Serum by calculation
Test/Panel other identifier (code system)	10834-0 (LN)
Preferred Report Name	Globulin
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	gram per deciliter
Unit of measure (code & code system)	g/dL (UCUM)

Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Test Details - Albumin/globulin ratio

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Albumin/globulin ratio
Test/Panel identifier (code system)	120 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Albumin/Globulin [Mass Ratio] in Serum or Plasma
Test/Panel other identifier (code system)	1759-0 (LN)
Preferred Report Name	Albumin/globulin ratio
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Numeric test details

Element	Data
Unit of measure	Ratio
Unit of measure (code & code system)	{Ratio} (UCUM)

#### Test Details - Total bilirubin, serum

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Total bilirubin, serum
Test/Panel identifier (code system)	122 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Bilirubin.total [Mass/volume] in Serum or Plasma
Test/Panel other identifier (code system)	1975-2 (LN)
Preferred Report Name	Total bilirubin, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	milligram per deciliter
Unit of measure (code & code system)	mg/dL (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Specimen information details

Element	Data
Sequence ID	63
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Alkaline phosphatase (ALP)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Alkaline phosphatase (ALP)
Test/Panel identifier (code system)	124 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Alkaline phosphatase [Enzymatic activity/volume] in Serum or Plasma
Test/Panel other identifier (code system)	6768-6 (LN)
Preferred Report Name	Alkaline phosphatase (ALP)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily



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

Numeric test details

Element	Data
Unit of measure	enzyme unit per liter
Unit of measure (code & code system)	U/L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Specimen information details

Element	Data
Sequence ID	64
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Alanine aminotransferase (ALT)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Alanine aminotransferase (ALT)
Test/Panel identifier (code system)	126 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Alanine aminotransferase [Enzymatic activity/volume] in Serum or Plasma
Test/Panel other identifier (code system)	1742-6 (LN)
Preferred Report Name	Alanine aminotransferase (ALT)
Is the test/panel orderable ?	Y
Nature	A

Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	enzyme unit per liter
Unit of measure (code & code system)	U/L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Specimen information details

Element	Data
Sequence ID	65
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Aspartate aminotransferase (ASP)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Aspartate aminotransferase (ASP)
Test/Panel identifier (code system)	128 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Aspartate aminotransferase [Enzymatic activity/volume] in Serum or Plasma
Test/Panel other identifier (code system)	1920-8 (LN)

Preferred Report Name	Aspartate aminotransferase (ASP)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	enzyme unit per liter
Unit of measure (code & code system)	U/L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Specimen information details

Element	Data
Sequence ID	66
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - Sodium, serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Sodium, serum
Test/Panel identifier (code system)	130 (99USL)

General information

Element	Data
Specimen required ?	Y

Test/Panel other name	Sodium [Moles/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2951-2 (LN)
Preferred Report Name	Sodium, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	millimole per liter
Unit of measure (code & code system)	mmol/L (UCUM)

Test Details - Potassium, serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Potassium, serum
Test/Panel identifier (code system)	132 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Potassium [Moles/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2823-3 (LN)
Preferred Report Name	Potassium, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	millimole per liter
Unit of measure (code & code system)	mmol/L (UCUM)

Test Details - Chloride, serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Chloride, serum
Test/Panel identifier (code system)	134 (99USL)

General information

Element	Data

Specimen required ?	Y
Test/Panel other name	Chloride [Moles/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2075-0 (LN)
Preferred Report Name	Chloride, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	millimole per liter
Unit of measure (code & code system)	mmol/L (UCUM)

Test Details - Carbon dioxide, serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Carbon dioxide, serum
Test/Panel identifier (code system)	136 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Carbon dioxide, total [Moles/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2028-9 (LN)
Preferred Report Name	Carbon dioxide, serum
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

Numeric test details

Element	Data
Unit of measure	millimole per liter
Unit of measure (code & code system)	mmol/L (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

Test Details - Anion gap

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310

Test/Panel Name	Anion gap
Test/Panel identifier (code system)	138 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Anion gap in Serum or Plasma
Test/Panel other identifier (code system)	33037-3 (LN)
Preferred Report Name	Anion gap
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	Anion Gap
Unit of measure (code & code system)	{Anion Gap} (UCUM)
Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Test Details - Gamma-Glutamyltransferase (GGT)

#### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Gamma-Glutamyltransferase (GGT)
Test/Panel identifier (code system)	140 (99USL)

#### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Gamma glutamyl transferase [Enzymatic activity/volume] in Serum or Plasma
Test/Panel other identifier (code system)	2324-2 (LN)
Preferred Report Name	Gamma-Glutamyltransferase (GGT)
Is the test/panel orderable ?	Y
Nature	A
Interpretation	This blood test is used to determine...
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

#### Numeric test details

Element	Data
Unit of measure	enzyme unit per liter
Unit of measure (code & code system)	U/L (UCUM)

Reference range Administrative Sex	Male
Reference range Administrative Sex (code & code system)	M (HL70001)
Reference range Administrative Sex	Female
Reference range Administrative Sex (code & code system)	F (HL70001)

#### Test Details - Prostate Biopsy Pathology Report

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Prostate Biopsy Pathology Report
Test/Panel identifier (code system)	600 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Prostate Pathology biopsy report
Test/Panel other identifier (code system)	66117-3 (LN)
Preferred Report Name	Prostate Biopsy Pathology Report
Is the test/panel orderable ?	Y
Nature	A
Interpretation	Histologic evaluation of prostate biopsy specimens and additional prognostic information following histologic diagnosis. These tests help clinicians to diagnose prostate cancer.
Contraindications	Contraindications to prostate biopsy include acute painful perianal disorders, bleeding diathesis, acute prostatitis, and severe immunosuppression.
Contraindications	Acute prostatitis
Contraindications (code & code system)	79411002 (SCT)
Factors that may affect the test	Specimen submitted unfixed; improperly labeled specimen; unlabeled specimen
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	OSL
Prior Results Instructions	When ordering a Prostate biopsy, send prior Prostate Specific Antigen (PSA) results
Prior Results Instructions	When ordering a Prostate biopsy, send prior relevant clinical findings.
Special Instructions	Submit Surgical Pathology Requisition and Biopsy Worksheet with specimen
Expected turn around time	3 day

##### Categorical test details

Element	Data
Normal Text/Codes	normal (qualifier value)
Normal Text/Codes (code & code system)	17621005 (SCT)
Abnormal Text/Codes	Gleason Score 2-4: Well differentiated (finding)
Abnormal Text/Codes (code & code system)	369775001 (SCT)
Abnormal Text/Codes	Gleason Score 5-6: Moderately differentiated (finding)
Abnormal Text/Codes (code & code system)	369776000 (SCT)
Abnormal Text/Codes	Gleason Score 7-10: Poorly differentiated (finding)
Abnormal Text/Codes (code & code system)	385412008 (SCT)
Abnormal Text/Codes	Atypical proliferation (morphologic abnormality)
Abnormal Text/Codes (code & code system)	125556001 (SCT)

##### Specimen information details

Element	Data
Sequence ID	73
Container description	15 ml jar containing OncoFix II
Specimen (code & code system)	309132009 (SCT)

#### Test Details - TSH

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	TSH
Test/Panel identifier (code system)	700 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Thyrotropin [Units/volume] in Serum or Plasma
Test/Panel other identifier (code system)	3016-3 (LN)
Preferred Report Name	TSH - Serum
Is the test/panel orderable ?	Y
Nature	A
Factors that may affect the test	Medicines that may affect test results include: Amiodarone Dopamine Lithium Potassium iodide Prednisone
Schedule	Daily
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Specimen information details

Element	Data
Sequence ID	74
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



# Test Details - Pap Test

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Pap Test
Test/Panel identifier (code system)	610 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Cytology report of Cervical or vaginal smear or scraping Cyto stain.thin prep
Test/Panel other identifier (code system)	47527-7 (LN)
Preferred Report Name	Pap Test
Is the test/panel orderable ?	Y
Nature	A
Interpretation	The Pap Test is for use in screening for the presence of atypical cells, cervical cancer, or precursor lesions (LSIL, HSIL) as well as other cytologic categories as defined by the Bethesda System for Reporting Cervical Cytology.
Patient preparation	Instruct the patient not to douche or engage in sexual intercourse within 24 hours of the procedure. For premenopausal patients, obtain specimens during the second half of the menstrual period to avoid contamination by obscuring blood.
Factors that may affect the test	Frozen specimens, Specimens not collected in a ThinPrep Pap Test collection kit or specimens submitted in an expired collection kit.
Schedule	Mon-Fri
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Test alias	ThinPrep Pap Test
Test alias	Pap Smear
Test Relationship Category	Anatomic
Test Relationship Category (code & code system)	AP (99USL)
Expected turn around time	2 day
Gender Restriction	Female
Gender Restriction (code & code system)	F (HL70001)
Gender Restriction	Female
Gender Restriction (code & code system)	F (HL70001)
Age Restriction	Between 16 and 85
Age Restriction	Between 16 and 85

## Ask at Order Entry questions

Element	Data
AOE question	Date of Last Menstrual Period
AOE question (code & code system)	1901 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Type of Answer	DT

## Ask at Order Entry questions

## Ask at Order Entry questions

Element	Data
AOE question	Did the patient have a previous abnormal Pap report, treatment, or biopsy?
AOE question (code & code system)	1905 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Type of Answer	CWE
Answer Choices (code & code system)	Y (HL70136)
Answer Choices (code & code system)	N (HL70136)
Answer Choices (code & code system)	U (HL70353)

## Categorical test details

Element	Data
Normal Text/Codes	Negative for intraepithelial lesion or malignancy
Normal Text/Codes (code & code system)	373887005 (SCT)
Value type	CWE

## Specimen information details

Element	Data
Sequence ID	75
Container description	PreservCyt Solution vial
Specimen (code & code system)	110951002 (SCT)
Specimen Requirements	Follow instructions per the ThinPrep Pap Test collection kit.
Specimen Handling Code	Ambient temperature
Specimen Handling Code (code & code system)	AMB (HL70376)
Specimen Preference	P

## Test Details - Hepatitis A IgM antibodies (IgM anti-HAV)

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis A IgM antibodies (IgM anti-HAV)
Test/Panel identifier (code system)	1001 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis A virus IgM Ab [Presence] in Serum
Test/Panel other identifier (code system)	22314-9 (LN)
Preferred Short Name	IgM anti-HAV
Is the test/panel orderable ?	Y
Nature	A
Expected turn around time	1 day

## Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

## Specimen information details

Element	Data
Sequence ID	76
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	1.7
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

## Test Details - Hepatitis A antibodies (anti-HAV)

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis A antibodies (anti-HAV)
Test/Panel identifier (code system)	1002 (99USL)

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis A virus Ab [Presence] in Serum
Test/Panel other identifier (code system)	20575-7 (LN)
Preferred Short Name	anti-HAV
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

## Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

## Specimen information details

Element	Data
Sequence ID	77
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2

Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	1.7
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis B core antibodies (anti-HBVC)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis B core antibodies (anti-HBVC)
Test/Panel identifier (code system)	1003 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis B virus core Ab [Presence] in Serum
Test/Panel other identifier (code system)	16933-4 (LN)
Preferred Short Name	anti-HBVC
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N
Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

##### Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

##### Specimen information details

Element	Data
Sequence ID	78
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter

Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.8
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

Test Details - Hepatitis B core antibodies (anti-HBVC) Quant

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis B core antibodies (anti-HBVC) Quant
Test/Panel identifier (code system)	1004 (99USL)

General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis B virus core Ab [Units/volume] in Serum
Test/Panel other identifier (code system)	22316-4 (LN)
Preferred Short Name	anti-HBVC Qant
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N
Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

Specimen information details

Element	Data
Sequence ID	79
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
Normal collection volume unit	milliliter

Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	1.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis B e antibodies (anti-HBVe)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis B e antibodies (anti-HBVe)
Test/Panel identifier (code system)	1005 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis B virus e Ab [Presence] in Serum
Test/Panel other identifier (code system)	22320-6 (LN)
Preferred Short Name	anti-HBVe
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N
Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

##### Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

##### Specimen information details

Element	Data
Sequence ID	80
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)

Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
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	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis B surface antigen (HBsAg)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis B surface antigen (HBsAg)
Test/Panel identifier (code system)	1006 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis B virus surface Ag [Presence] in Serum
Test/Panel other identifier (code system)	5195-3 (LN)
Preferred Short Name	HBsAg
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N
Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

##### Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

##### Specimen information details

Element	Data
Sequence ID	81
Container description	Gold Serum Separator tube

Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
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	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis B surface antibody (anti-HBVs)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis B surface antibody (anti-HBVs)
Test/Panel identifier (code system)	1007 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis B virus surface Ab [Presence] in Serum
Test/Panel other identifier (code system)	22322-2 (LN)
Preferred Short Name	anti-HBVs
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Pregnancy status
AOE question (code & code system)	1903 (99USL)
Collection Event/Process Step	Placing the order
Collection Event/Process Step (code & code system)	ORD (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	N
Type of Answer	CWE
Answer Choices (code & code system)	60001007 (SCT)
Answer Choices (code & code system)	77386006 (SCT)
Answer Choices (code & code system)	U (HL70353)

##### Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

##### Specimen information details



Element	Data
Sequence ID	82
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
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	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis C antibody screen (anti-HCV)

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis C antibody screen (anti-HCV)
Test/Panel identifier (code system)	1008 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis C virus Ab [Presence] in Serum
Test/Panel other identifier (code system)	16128-1 (LN)
Preferred Short Name	anti-HCV
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Categorical test details

Element	Data
Normal Text/Codes	Negative (qualifier value)
Normal Text/Codes (code & code system)	260385009 (SCT)
Abnormal Text/Codes	Positive (qualifier value)
Abnormal Text/Codes (code & code system)	10828004 (SCT)
Value type	CWE

##### Specimen information details

Element	Data
Sequence ID	83
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	2
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	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis C antibodies Signal to Cut-off Ratio

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis C antibodies Signal to Cut-off Ratio
Test/Panel identifier (code system)	1009 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay
Test/Panel other identifier (code system)	48159-8 (LN)
Preferred Short Name	anti-HCV S/CO
Is the test/panel orderable ?	N
Nature	A
Expected turn around time	1 day

##### Specimen information details

Element	Data
Sequence ID	84
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.8
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

#### Test Details - Hepatitis C RNA PCR

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Hepatitis C RNA PCR
Test/Panel identifier (code system)	1010 (99USL)

##### General information

## General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method
Test/Panel other identifier (code system)	11011-4 (LN)
Preferred Short Name	HCV PCR
Is the test/panel orderable ?	Y
Nature	A
Expected turn around time	1 day

## Specimen information details

Element	Data
Sequence ID	85
Container description	Gold Serum Separator tube
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.8
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Spin down and remove serum from clot within 6 hours.
Specimen Handling Code	Frozen
Specimen Handling Code (code & code system)	FRZ (HL70376)
Specimen Preference	P

## Test Details - Penicillin

## Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Penicillin
Test/Panel identifier (code system)	1506 (99USL)

## General information

Element	Data
Specimen required ?	N
Test/Panel other name	Penicillin [Susceptibility]
Test/Panel other identifier (code system)	18964-7 (LN)
Preferred Report Name	Penicillin
Is the test/panel orderable ?	Y
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	3 day

## Specimen information details

Element	Data
Sequence ID	86

Specimen (code & code system)	429951000124103 (SCT)
Specimen Requirements	Organism must be in pure culture and actively growing. Place into large infectious container and label as "Infectious substance".
Specimen Handling Code	Critical ambient temperature
Specimen Handling Code (code & code system)	CAMB (HL70376)

#### Test Details - Dengue Virus IgG Titer Serum

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Dengue Virus IgG Titer Serum
Test/Panel identifier (code system)	1301 (99USL)

##### General information

Element	Data
Specimen required ?	N
Test/Panel other name	Dengue virus IgG Ab [Titer] in Serum
Test/Panel other identifier (code system)	6811-4 (LN)
Preferred Report Name	Dengue Virus IgG
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

#### Test Details - Dengue Virus IgM Titer Serum

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Dengue Virus IgM Titer Serum
Test/Panel identifier (code system)	1302 (99USL)

##### General information

Element	Data
Specimen required ?	N
Test/Panel other name	Dengue virus IgM Ab [Titer] in Serum
Test/Panel other identifier (code system)	6812-2 (LN)
Preferred Report Name	Dengue Virus IgM
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

#### Test Details - WNV IgG Titer Serum

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310

Test/Panel Name	WNV IgG Titer Serum
Test/Panel identifier (code system)	1303 (99USL)

General information

Element	Data
Specimen required ?	N
Test/Panel other name	West Nile virus IgG Ab [Titer] in Serum
Test/Panel other identifier (code system)	33329-4 (LN)
Preferred Report Name	West Nile Virus IgG
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

Test Details - WNV Virus IgM Titer Serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	WNV Virus IgM Titer Serum
Test/Panel identifier (code system)	1304 (99USL)

General information

Element	Data
Specimen required ?	N
Test/Panel other name	West Nile virus IgM Ab [Titer] in Serum
Test/Panel other identifier (code system)	33331-0 (LN)
Preferred Report Name	West Nile Virus IgM
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

Test Details - SLE IgG Titer Serum

Record information

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

General information

Element	Data
Specimen required ?	N
Test/Panel other name	Saint Louis encephalitis virus IgG Ab [Titer] in Serum
Test/Panel other identifier (code system)	22512-8 (LN)
Preferred Report Name	Saint Luis Virus IgG
Is the test/panel orderable ?	Y
Nature	A

Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

Specimen information details

Element	Data
Sequence ID	91
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

Test Details - SLE IgM Titer Serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	SLE IgM Titer Serum
Test/Panel identifier (code system)	1306 (99USL)

General information

Element	Data
Specimen required ?	N
Test/Panel other name	Saint Louis encephalitis virus IgM Ab [Titer] in Serum
Test/Panel other identifier (code system)	22514-4 (LN)
Preferred Report Name	Saint Luis Virus IgM
Is the test/panel orderable ?	Y
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	2 day

Specimen information details

Element	Data
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Sequence ID	92
Container description	Gold Serum Separator tube
Container description	Red, No Additive tube
Container volume	5.0
Container volume	5.0
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Container units	milliliter
Container units (code & code system)	mL (UCUM)
Specimen (code & code system)	119364003 (SCT)
Normal collection volume	1
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Normal collection volume	0.5
Normal collection volume unit	milliliter
Normal collection volume unit (code & code system)	mL (UCUM)
Specimen Requirements	Protect from light. Allow serum tube to clot completely at room temperature. Separate serum or plasma from cells ASAP or within 30 minutes of collection.
Specimen Handling Code	Refrigerated temperature
Specimen Handling Code (code & code system)	REF (HL70376)
Specimen Preference	P

#### Test Details - Creatinine Clearance in 24 hours

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Creatinine Clearance in 24 hours
Test/Panel identifier (code system)	1201 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Creatinine renal clearance in 24 hour
Test/Panel other identifier (code system)	2164-2 (LN)
Preferred Report Name	Creatinine Clearance in 24 hours
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Urine Volume of 24 hour collection
AOE question (code & code system)	1904 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please provide in milliliter

Type of Answer	NM
Character Limit	12
Number of Decimals	0

#### Test Details - Creatinine in 24 hr Urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Creatinine in 24 hr Urine
Test/Panel identifier (code system)	1202 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Creatinine [Mass/volume] in 24 hour Urine
Test/Panel other identifier (code system)	20624-3 (LN)
Preferred Report Name	Creatinine in 24 hr Urine
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Ask at Order Entry questions

Element	Data
AOE question	Urine Volume of 24 hour collection
AOE question (code & code system)	1904 (99USL)
Collection Event/Process Step	Collecting the specimen
Collection Event/Process Step (code & code system)	DRW (HL70938)
Communication Location	OBX segment following an OBR segment
Is an answer required ?	Y
Hint/Help Text	Please provide in milliliter
Type of Answer	NM
Character Limit	12
Number of Decimals	0

##### Specimen information details

Element	Data
Sequence ID	94
Container description	Sterile, plastic, leak proof container
Container volume	2000
Container units	milliliter
Container units (code & code system)	mL (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

#### Test Details - Protein in 24 hour Urine

##### Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Protein in 24 hour Urine
Test/Panel identifier (code system)	1203 (99USL)

##### General information

Element	Data
Specimen required ?	Y
Test/Panel other name	Protein [Mass/volume] in 24 hour Urine
Test/Panel other identifier (code system)	21482-5 (LN)
Preferred Report Name	24 hour Urine Protein
Is the test/panel orderable ?	N
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	1 day

##### Specimen information details

Element	Data
Sequence ID	95
Container description	Sterile, plastic, leak proof container
Container volume	2000
Container units	milliliter
Container units (code & code system)	mL (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