

| 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*12/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 |
|---------|------|
|---------|------|

|                                      |          |
|--------------------------------------|----------|
| 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 |
|---------|------|
|---------|------|



|   |   |
|---|---|
| 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

|  |  |
|--|--|
|  |  |
|--|--|

| 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 |
|---------|------|
|---------|------|

|                                      |          |
|--------------------------------------|----------|
| 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

|  |  |
|--|--|
|  |  |
|--|--|

| 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 |
|---------|------|
|---------|------|

|   |                     |
|---|---------------------|
| 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 |
|---------|------|
|---------|------|

|                                      |                           |
|--------------------------------------|---------------------------|
| 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<br>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 |
|---------|------|
|---------|------|

|  |   |
|--|---|
| 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                                      |