

Test Case Information

| LRI_5.9_1.1-NG_FRN - improper use of NTE by stretching a concept across multiple NTEs - not computable - should result in some for of manual error handling | |
|---|--------------------|
| Test Case ID | LRI_5.9_1.1-NG_FRN |

MSH

| Location | Data Element | Data | Categorization |
|------------------|--|------------------------|-------------------|
| MSH.1 | Field Separator | | IG Fixed Data |
| MSH.2 | Encoding Characters | ^~\& | IG Fixed Data |
| MSH.3 | Sending Application | | |
| MSH.3.1 | Namespace ID | NIST Test Lab APP | Configurable Data |
| MSH.4 | Sending Facility | | |
| MSH.4.1 | Namespace ID | NIST Lab Facility | Configurable Data |
| MSH.6 | Receiving Facility | | |
| MSH.6.1 | Namespace ID | NIST EHR Facility | Configurable Data |
| MSH.7 | Date/Time Of Message | | |
| MSH.7.1 | Time | 20110531140551-0500 | System Generated |
| MSH.9 | Message Type | | |
| MSH.9.1 | Message Code | ORU | IG Fixed Data |
| MSH.9.2 | Event Type | R01 | IG Fixed Data |
| MSH.9.3 | Message Structure | ORU_R01 | IG Fixed Data |
| MSH.10 | Message Control ID | LRI_5.9_1.1-NG_FRN | System Generated |
| MSH.11 | Processing ID | | |
| MSH.11.1 | Processing ID | D | Changeable Data |
| MSH.12 | VersionID | | |
| MSH.12.1 | Version ID | 2.5.1 | IG Fixed Data |
| MSH.15 | Accept Acknowledgment Type | AL | IG Fixed Data |
| MSH.16 | Application Acknowledgment Type | NE | IG Fixed Data |
| MSH.21 | Message Profile Identifier | | |
| MSH.21.1 | Entity Identifier | LRI_Common_Component | IG Fixed Data |
| MSH.21.3 | Universal ID | 2.16.840.1.113883.9.16 | IG Fixed Data |
| MSH.21.4 | Universal ID Type | ISO | IG Fixed Data |
| MSH.21[2] | Message Profile Identifier | | |
| MSH.21[2].1 | Entity Identifier | LRI_NG_Component | IG Fixed Data |
| MSH.21[2].3 | Universal ID | 2.16.840.1.113883.9.13 | IG Fixed Data |
| MSH.21[2].4 | Universal ID Type | ISO | IG Fixed Data |
| MSH.21[3] | Message Profile Identifier | | |
| MSH.21[3].1 | Entity Identifier | LAB_FRN_Component | IG Fixed Data |
| MSH.21[3].3 | Universal ID | 2.16.840.1.113883.9.84 | IG Fixed Data |
| MSH.21[3].4 | Universal ID Type | ISO | IG Fixed Data |

PID

| Location | Data Element | Data | Categorization |
|---------------|---------------------------------|-----------|-------------------|
| PID.1 | Set ID – PID | 1 | IG Fixed Data |
| PID.3 | Patient Identifier List | | |
| PID.3.1 | ID Number | PATID1239 | Configurable Data |
| PID.3.4 | Assigning Authority | | |
| PID.3.4.1 | Namespace ID | NIST MPI | Changeable Data |
| PID.3.5 | Identifier Type Code | MR | Configurable Data |
| PID.5 | Patient Name | | |
| PID.5.1 | Family Name | | |
| PID.5.1.1 | Surname | Smirnoff | Changeable Data |
| PID.5.2 | Given Name | Peggy | Changeable Data |
| PID.5.7 | Name Type Code | L | Changeable Data |
| PID.7 | Date/Time of Birth | | |
| PID.7.1 | Time | 19750401 | Changeable Data |
| PID.8 | Administrative Sex | F | Changeable Data |
| PID.10 | Race | | |
| PID.10.1 | Identifier | 2106-3 | Changeable Data |
| PID.10.2 | Text | White | Changeable Data |
| PID.10.3 | Name of Coding System | HL70005 | Changeable Data |
| PID.10.4 | Alternate Identifier | wh | Changeable Data |
| PID.10.5 | Alternate Text | white | Changeable Data |
| PID.10.6 | Name of Alternate Coding System | L | Changeable Data |
| PID.18 | Patient Account Number | | |
| PID.18.1 | ID Number | PATID1239 | Configurable Data |
| PID.18.4 | Assigning Authority | | |
| PID.18.4.1 | Namespace ID | NIST MPI | Changeable Data |
| PID.18.5 | Identifier Type Code | MR | Configurable Data |

ORC

| Location | Data Element | Data | Categorization |
|---------------|----------------------------|-----------------|----------------------|
| ORC.1 | Order Control | RE | Test Case Fixed Data |
| ORC.2 | Placer Order Number | | |
| ORC.2.1 | Entity Identifier | ORD448811 | Changeable Data |
| ORC.2.2 | Namespace ID | NIST EHR | Changeable Data |
| ORC.3 | Filler Order Number | | |
| ORC.3.1 | Entity Identifier | R-511 | Changeable Data |
| ORC.3.2 | Namespace ID | NIST Lab Filler | Changeable Data |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 5742200012 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Radon | Changeable Data |
| ORC.12.3 | Given Name | Nicholas | Changeable Data |
| ORC.12.6 | Prefix (e.g., DR) | DR | Changeable Data |
| ORC.12.9 | Assigning Authority | | |
| ORC.12.9.1 | Namespace ID | NPI | Changeable Data |
| ORC.12.10 | Name Type Code | L | Changeable Data |
| ORC.12.13 | Identifier Type Code | NPI | Changeable Data |

OBR

| Location | Data Element | Data | Categorization |
|---------------|--|-----------------------|----------------------|
| OBR.1 | Set ID - OBR | 1 | IG Fixed Data |
| OBR.2 | Placer Order Number | | |
| OBR.2.1 | Entity Identifier | ORD448811 | Changeable Data |
| OBR.2.2 | Namespace ID | NIST EHR | Changeable Data |
| OBR.3 | Filler Order Number | | |
| OBR.3.1 | Entity Identifier | R-511 | Changeable Data |
| OBR.3.2 | Namespace ID | NIST Lab Filler | Changeable Data |
| OBR.4 | Universal Service Identifier | | |
| OBR.4.1 | Identifier | HepABC Panel | Changeable Data |
| OBR.4.2 | Text | Hepatitis A B C Panel | Changeable Data |
| OBR.4.3 | Name of Coding System | L | Changeable Data |
| OBR.7 | Observation Date/Time | | |
| OBR.7.1 | Time | 20120628070100 | Changeable Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 5742200012 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Radon | Changeable Data |
| OBR.16.3 | Given Name | Nicholas | Changeable Data |
| OBR.16.6 | Prefix (e.g., DR) | DR | Changeable Data |
| OBR.16.9 | Assigning Authority | | |
| OBR.16.9.1 | Namespace ID | NPI | Changeable Data |
| OBR.16.10 | Name Type Code | L | Changeable Data |
| OBR.16.13 | Identifier Type Code | NPI | Changeable Data |
| OBR.22 | Results Rpt/Status Chng - Date/Time | | |
| OBR.22.1 | Time | 20110331160428-0800 | Changeable Data |
| OBR.25 | Result Status | C | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 1 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 22314-9 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis A virus IgM Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HAVM | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis A IgM antibodies (IgM anti-HAV) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 2 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 20575-7 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis A virus Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HAVAB | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis A antibodies (anti-HAV) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|---|----------------------|
| OBX.1 | Set ID – OBX | 3 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 16933-4 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis B virus core Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HBVcAB | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis B core antibodies (anti-HBVc) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|---|----------------------|
| OBX.1 | Set ID – OBX | 4 | IG Fixed Data |
| OBX.2 | Value Type | SN | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 22316-4 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis B virus core Ab [Units/volume] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HBcAbQ | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis B core antibodies (anti-HBVc) Quant | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.2 | Num1 | 0.40 | Test Case Fixed Data |
| OBX.6 | Units | | |
| OBX.6.1 | Identifier | [IU]/mL | Changeable Data |
| OBX.6.2 | Text | international unit per milliliter | Changeable Data |
| OBX.6.3 | Name of the Coding System | UCUM | Changeable Data |
| OBX.6.4 | Alternate Identifier | IU/ml | Changeable Data |
| OBX.6.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.7 | Reference Range | <0.50 IU/mL | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 5 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 22320-6 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis B virus e Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HBVeAB | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis B e antibodies (anti-HBVe) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 6 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 5195-3 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis B virus surface Ag [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HBVsAG | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis B surface antigen (HBsAg) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 7 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 22322-2 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis B virus surface Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HBVSAB | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis B surface antibody (anti-HBVs) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 260385009 | Test Case Fixed Data |
| OBX.5.2 | Text | Negative (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | NEG | Changeable Data |
| OBX.5.5 | Alternate Text | NEGATIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Negative (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | N | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 8 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 16128-1 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis C virus Ab [Presence] in Serum | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HCVAB | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis C antibody screen (anti-HCV) | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.1 | Identifier | 10828004 | Test Case Fixed Data |
| OBX.5.2 | Text | Positive (qualifier value) | Test Case Fixed Data |
| OBX.5.3 | Name of the Coding System | SCT | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | POS | Changeable Data |
| OBX.5.5 | Alternate Text | POSITIVE | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5.9 | Original Text | Positive (qualifier value) | Changeable Data |
| OBX.7 | Reference Range | Negative | Changeable Data |
| OBX.8 | Abnormal Flags | A | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|--|----------------------|
| OBX.1 | Set ID – OBX | 9 | IG Fixed Data |
| OBX.2 | Value Type | SN | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 48159-8 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HCVSCO | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis C antibodies Signal to Cut-off Ratio | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.2 | Num1 | 10.8 | Test Case Fixed Data |
| OBX.6 | Units | | |
| OBX.6.1 | Identifier | {s_co_ratio} | Changeable Data |
| OBX.6.2 | Text | Signal to cutoff ratio | Changeable Data |
| OBX.6.3 | Name of the Coding System | UCUM | Changeable Data |
| OBX.6.4 | Alternate Identifier | s/co | Changeable Data |
| OBX.6.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.7 | Reference Range | 0.0-0.9 s/co | Changeable Data |
| OBX.8 | Abnormal Flags | H | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120628100500 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |

NTE

| Location | Data Element | Data | Categorization |
|----------|--------------|--|-----------------|
| NTE.1 | Set ID – NTE | 1 | IG Fixed Data |
| NTE.3 | Comment | Negative: < 0.8; Indeterminate 0.8 - 0.9; Positive: > 0.9. In order to reduce | Changeable Data |

NTE

| Location | Data Element | Data | Categorization |
|----------|--------------|--|-----------------|
| NTE.1 | Set ID – NTE | 2 | IG Fixed Data |
| NTE.3 | Comment | the incidence of a false positive result, the CDC recommends that all s/co ratios between 1.0 and 10.9 be confirmed with additional Verification or PCR testing. | Changeable Data |

SPM

| Location | Data Element | Data | Categorization |
|------------|-------------------------------|---------------------|-----------------|
| SPM.1 | Set ID – SPM | 1 | IG Fixed Data |
| SPM.2 | Specimen ID | | |
| SPM.2.1 | | | |
| SPM.2.1.1 | | S2015-777888 | Changeable Data |
| SPM.2.1.2 | | NIST EHR | Changeable Data |
| SPM.2.2 | | | |
| SPM.2.2.1 | | S-220713-1 | Changeable Data |
| SPM.2.2.2 | | NIST Lab Filler | Changeable Data |
| SPM.4 | Specimen Type | | |
| SPM.4.1 | Identifier | 119297000 | Changeable Data |
| SPM.4.2 | Text | BLD | Changeable Data |
| SPM.4.3 | Name of the Coding System | SCT | Changeable Data |
| SPM.4.9 | Original Text | Blood | Changeable Data |
| SPM.17 | Specimen Collection Date/Time | | |
| SPM.17.1 | Range Start Date/Time | | |
| SPM.17.1.1 | Time | 20110531123551-0800 | Changeable Data |

ORC

| Location | Data Element | Data | Categorization |
|------------|-------------------------------------|-----------------------|----------------------|
| ORC.1 | Order Control | RE | Test Case Fixed Data |
| ORC.3 | Filler Order Number | | |
| ORC.3.1 | Entity Identifier | R-511 | Changeable Data |
| ORC.3.2 | Namespace ID | NIST Lab Filler | Changeable Data |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 5742200012 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Radon | Changeable Data |
| ORC.12.3 | Given Name | Nicholas | Changeable Data |
| ORC.12.6 | Prefix (e.g., DR) | DR | Changeable Data |
| ORC.12.9 | Assigning Authority | | |
| ORC.12.9.1 | Namespace ID | NPI | Changeable Data |
| ORC.12.10 | Name Type Code | L | Changeable Data |
| ORC.12.13 | Identifier Type Code | NPI | Changeable Data |
| ORC.31 | Parent Universal Service Identifier | | |
| ORC.31.1 | Identifier | HepABC Panel | Changeable Data |
| ORC.31.2 | Text | Hepatitis A B C Panel | Changeable Data |
| ORC.31.3 | Name of the Coding System | L | Changeable Data |

OBR

| Location | Data Element | Data | Categorization |
|---------------|--|---|----------------------|
| OBR.1 | Set ID - OBR | 2 | IG Fixed Data |
| OBR.3 | Filler Order Number | | |
| OBR.3.1 | Entity Identifier | R-511 | Changeable Data |
| OBR.3.2 | Namespace ID | NIST Lab Filler | Changeable Data |
| OBR.4 | Universal Service Identifier | | |
| OBR.4.1 | Identifier | 11011-4 | Test Case Fixed Data |
| OBR.4.2 | Text | Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method | Test Case Fixed Data |
| OBR.4.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBR.4.4 | Alternate Identifier | HCVRNA | Changeable Data |
| OBR.4.5 | Alternate Text | Hepatitis C RNA PCR | Changeable Data |
| OBR.4.6 | Name of Alternate Coding System | L | Changeable Data |
| OBR.7 | Observation Date/Time | | |
| OBR.7.1 | Time | 20120628070100 | Changeable Data |
| OBR.11 | Specimen Action Code | G | Test Case Fixed Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 5742200012 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Radon | Changeable Data |
| OBR.16.3 | Given Name | Nicholas | Changeable Data |
| OBR.16.6 | Prefix (e.g., DR) | DR | Changeable Data |
| OBR.16.9 | Assigning Authority | | |
| OBR.16.9.1 | Namespace ID | NPI | Changeable Data |
| OBR.16.10 | Name Type Code | L | Changeable Data |
| OBR.16.13 | Identifier Type Code | NPI | Changeable Data |
| OBR.22 | Results Rpt/Status Chng - Date/Time | | |
| OBR.22.1 | Time | 20110331160428-0800 | Changeable Data |
| OBR.25 | Result Status | C | Test Case Fixed Data |
| OBR.26 | Parent Result | | |
| OBR.26.1 | Parent Observation Identifier | | |
| OBR.26.1.1 | Identifier | 16128-1 | Test Case Fixed Data |
| OBR.26.1.2 | Text | Hepatitis C virus Ab [Presence] in Serum | Test Case Fixed Data |
| OBR.26.1.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBR.26.1.4 | Alternate Identifier | HCVAB | Changeable Data |
| OBR.26.1.5 | Alternate Text | Hepatitis C antibody screen (anti-HCV) | Changeable Data |
| OBR.26.1.6 | Name of Alternate Coding System | L | Changeable Data |
| OBR.29 | Parent | | |
| OBR.29.1 | Placer Assigned Identifier | | |
| OBR.29.1.1 | Entity Identifier | ORD448811 | Changeable Data |
| OBR.29.1.2 | Namespace ID | NIST EHR | Changeable Data |
| OBR.29.2 | Filler Assigned Identifier | | |
| OBR.29.2.1 | Entity Identifier | R-511 | Changeable Data |
| OBR.29.2.2 | Namespace ID | NIST Lab Filler | Changeable Data |
| OBR.50 | Parent Universal Service Identifier | | |
| OBR.50.1 | Identifier | HepABC Panel | Changeable Data |
| OBR.50.2 | Text | Hepatitis A B C Panel | Changeable Data |
| OBR.50.3 | Name of the Coding System | L | Changeable Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|--|---|----------------------|
| OBX.1 | Set ID – OBX | 1 | IG Fixed Data |
| OBX.2 | Value Type | SN | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 11011-4 | Test Case Fixed Data |
| OBX.3.2 | Text | Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method | Test Case Fixed Data |
| OBX.3.3 | Name of the Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | HCVRNA | Changeable Data |
| OBX.3.5 | Alternate Text | Hepatitis C RNA PCR | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.5 | Observation Value | | |
| OBX.5.2 | Num1 | 7611200 | Test Case Fixed Data |
| OBX.6 | Units | | |
| OBX.6.1 | Identifier | [IU]/mL | Changeable Data |
| OBX.6.2 | Text | international unit per milliliter | Changeable Data |
| OBX.6.3 | Name of the Coding System | UCUM | Changeable Data |
| OBX.6.4 | Alternate Identifier | IU/ml | Changeable Data |
| OBX.6.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.7 | Reference Range | <43 IU/mL | Changeable Data |
| OBX.8 | Abnormal Flags | H | Test Case Fixed Data |
| OBX.11 | Observation Result Status | F | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Time | 20120628070100 | Changeable Data |
| OBX.19 | Date/Time of the Analysis | | |
| OBX.19.1 | Time | 20120629092700 | Changeable Data |
| OBX.23 | Performing Organization Name | | |
| OBX.23.1 | Organization Name | Century Hospital | Changeable Data |
| OBX.23.6 | Assigning Authority | | |
| OBX.23.6.1 | Namespace ID | CLIA | Changeable Data |
| OBX.23.7 | Identifier Type Code | XX | Changeable Data |
| OBX.23.10 | Organization Identifier | 24D9871327 | Changeable Data |
| OBX.24 | Performing Organization Address | | |
| OBX.24.1 | Street Address | | |
| OBX.24.1.1 | Street or Mailing Address | 2070 Test Park | Changeable Data |
| OBX.24.3 | City | Los Angeles | Changeable Data |
| OBX.24.4 | State or Province | CA | Changeable Data |
| OBX.24.5 | Zip or Postal Code | 90067 | Changeable Data |
| OBX.24.6 | Country | USA | Changeable Data |
| OBX.24.7 | Address Type | L | Changeable Data |
| OBX.24.9 | County/Parish Code | 06037 | Changeable Data |
| OBX.25 | Performing Organization Medical Director | | |
| OBX.25.2 | Family Name | | |
| OBX.25.2.1 | Surname | Knowsalot | Changeable Data |
| OBX.25.3 | Given Name | Phil | Changeable Data |
| OBX.25.4 | Second and Further Given Names or Initials Thereof | J. | Changeable Data |
| OBX.25.6 | Prefix (e.g., DR) | Dr. | Changeable Data |
| OBX.29 | Observation Type | RSLT | Test Case Fixed Data |