

Test Case Information

| LRI_5.2_1.1-NG_FRU - Use of tilde is interpreted as cardinality error, as NTE-3 has cardinality 1..1 |                    |
|--|--------------------|
| Test Case ID   | LRI_5.2_1.1-NG_FRU |

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_5.2_1.1-NG_FRU     | 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_FRU_Component      | IG Fixed Data     |
| MSH.21[3].3 | Universal ID                    | 2.16.840.1.113883.9.83 | IG Fixed Data     |
| MSH.21[3].4 | Universal ID Type               | ISO                    | IG Fixed Data     |

## PID

| Location      | Data Element                    | Data      | Categorization    |
|---------------|---------------------------------|-----------|-------------------|
| <b>PID.1</b>  | <b>Set ID – PID</b>             | 1         | IG Fixed Data     |
| <b>PID.3</b>  | <b>Patient Identifier List</b>  |           |                   |
| 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 |
| <b>PID.5</b>  | <b>Patient Name</b>             |           |                   |
| 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   |
| <b>PID.7</b>  | <b>Date/Time of Birth</b>       |           |                   |
| PID.7.1       | Time                            | 19750401  | Changeable Data   |
| <b>PID.8</b>  | <b>Administrative Sex</b>       | F         | Changeable Data   |
| <b>PID.10</b> | <b>Race</b>                     |           |                   |
| 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   |
| <b>PID.18</b> | <b>Patient Account Number</b>   |           |                   |
| 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       |
|---------------|----------------------------|-----------------|----------------------|
| <b>ORC.1</b>  | <b>Order Control</b>       | RE              | Test Case Fixed Data |
| <b>ORC.2</b>  | <b>Placer Order Number</b> |                 |                      |
| ORC.2.1       | Entity Identifier          | ORD448811       | Changeable Data      |
| ORC.2.2       | Namespace ID               | NIST EHR        | Changeable Data      |
| <b>ORC.3</b>  | <b>Filler Order Number</b> |                 |                      |
| ORC.3.1       | Entity Identifier          | R-511           | Changeable Data      |
| ORC.3.2       | Namespace ID               | NIST Lab Filler | Changeable Data      |
| <b>ORC.12</b> | <b>Ordering Provider</b>   |                 |                      |
| 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       |
|---------------|--|-----------------------|----------------------|
| <b>OBR.1</b>  | <b>Set ID - OBR</b>                        | 1                     | IG Fixed Data        |
| <b>OBR.2</b>  | <b>Placer Order Number</b>                 |                       |                      |
| OBR.2.1       | Entity Identifier                          | ORD448811             | Changeable Data      |
| OBR.2.2       | Namespace ID                               | NIST EHR              | Changeable Data      |
| <b>OBR.3</b>  | <b>Filler Order Number</b>                 |                       |                      |
| OBR.3.1       | Entity Identifier                          | R-511                 | Changeable Data      |
| OBR.3.2       | Namespace ID                               | NIST Lab Filler       | Changeable Data      |
| <b>OBR.4</b>  | <b>Universal Service Identifier</b>        |                       |                      |
| 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      |
| <b>OBR.7</b>  | <b>Observation Date/Time</b>               |                       |                      |
| OBR.7.1       | Time                                       | 20120628070100        | Changeable Data      |
| <b>OBR.16</b> | <b>Ordering Provider</b>                   |                       |                      |
| 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      |
| <b>OBR.22</b> | <b>Results Rpt/Status Chng - Date/Time</b> |                       |                      |
| OBR.22.1      | Time                                       | 20110331160428-0800   | Changeable Data      |
| <b>OBR.25</b> | <b>Result Status</b>                       | C                     | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data   | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 1  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative                                     | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                               | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                               | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT   | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data                                     | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 2  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE                                      | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative                                 | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                           | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                           | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT                                     | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data  | Categorization       |
|---------------|--|---|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 3   | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE   | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |   |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |   |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative                                      | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N   | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F   | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |   |                      |
| OBX.14.1      | Time   | 20120628070100                                | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |   |                      |
| OBX.19.1      | Time   | 20120628100500                                | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |   |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |   |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |   |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT  | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data  | Categorization       |
|---------------|--|---|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 4   | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | SN  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |   |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |   |                      |
| OBX.5.2       | Num1   | 0.40  | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                                       |   |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | <0.50 IU/mL                                       | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N   | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F   | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |   |                      |
| OBX.14.1      | Time   | 20120628070100                                    | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |   |                      |
| OBX.19.1      | Time   | 20120628100500                                    | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |   |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |   |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |   |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT  | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data                                       | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 5  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative                                   | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                             | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                             | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT                                       | Test Case Fixed Data |



## OBX

| Location      | Data Element                                       | Data   | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 6  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative   | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                                   | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                                   | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT   | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data   | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 7  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative   | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | N  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                                   | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                                   | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT   | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data                                     | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 8  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | CWE                                      | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | Negative                                 | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | A  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100                           | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500                           | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT                                     | Test Case Fixed Data |

## OBX

| Location      | Data Element                                       | Data   | Categorization       |
|---------------|--|--|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 9  | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | SN   | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |  |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |  |                      |
| OBX.5.2       | Num1   | 10.8   | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                                       |  |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | 0.0-0.9 s/co   | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | H  | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F  | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |  |                      |
| OBX.14.1      | Time   | 20120628070100   | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |  |                      |
| OBX.19.1      | Time   | 20120628100500   | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |  |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |  |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |  |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | 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;<br>Positive: > 0.9. ~In order to reduce 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  |                                 | S-2015-666666             | Configurable Data |
| SPM.2.1.2  |                                 | GoodHealthC_EHR           | Configurable Data |
| SPM.2.2    |                                 |                           |                   |
| SPM.2.2.1  |                                 | S-991133                  | Changeable Data   |
| SPM.2.2.2  |                                 | NIST Lab Filler           | Changeable Data   |
| SPM.4      | Specimen Type                   |                           |                   |
| SPM.4.1    | Identifier                      | 119364003                 | Changeable Data   |
| SPM.4.2    | Text                            | Serum specimen (specimen) | Changeable Data   |
| SPM.4.3    | Name of the Coding System       | SCT                       | Changeable Data   |
| SPM.4.4    | Alternate Identifier            | SER                       | Changeable Data   |
| SPM.4.5    | Alternate Text                  | Serum                     | Changeable Data   |
| SPM.4.6    | Name of Alternate Coding System | L                         | Changeable Data   |
| SPM.17     | Specimen Collection Date/Time   |                           |                   |
| SPM.17.1   | Range Start Date/Time           |                           |                   |
| SPM.17.1.1 | Time                            | 20120628070100            | 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-512           | 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       |
|---------------|--|---|----------------------|
| <b>OBR.1</b>  | <b>Set ID - OBR</b>                        | 2   | IG Fixed Data        |
| <b>OBR.3</b>  | <b>Filler Order Number</b>                 |   |                      |
| OBR.3.1       | Entity Identifier                          | R-512   | Changeable Data      |
| OBR.3.2       | Namespace ID                               | NIST Lab Filler   | Changeable Data      |
| <b>OBR.4</b>  | <b>Universal Service Identifier</b>        |   |                      |
| 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      |
| <b>OBR.7</b>  | <b>Observation Date/Time</b>               |   |                      |
| OBR.7.1       | Time                                       | 20120628070100  | Changeable Data      |
| <b>OBR.11</b> | <b>Specimen Action Code</b>                | G   | Test Case Fixed Data |
| <b>OBR.16</b> | <b>Ordering Provider</b>                   |   |                      |
| 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      |
| <b>OBR.22</b> | <b>Results Rpt/Status Chng - Date/Time</b> |   |                      |
| OBR.22.1      | Time                                       | 20110331160428-0800   | Changeable Data      |
| <b>OBR.25</b> | <b>Result Status</b>                       | C   | Test Case Fixed Data |
| <b>OBR.26</b> | <b>Parent Result</b>                       |   |                      |
| 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      |
| <b>OBR.29</b> | <b>Parent</b>                              |   |                      |
| 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      |

## OBX

| Location      | Data Element                                       | Data  | Categorization       |
|---------------|--|---|----------------------|
| <b>OBX.1</b>  | <b>Set ID – OBX</b>                                | 1   | IG Fixed Data        |
| <b>OBX.2</b>  | <b>Value Type</b>                                  | SN  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                      |   |                      |
| 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      |
| <b>OBX.5</b>  | <b>Observation Value</b>                           |   |                      |
| OBX.5.2       | Num1   | 7611200   | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                                       |   |                      |
| 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      |
| <b>OBX.7</b>  | <b>Reference Range</b>                             | <43 IU/mL   | Changeable Data      |
| <b>OBX.8</b>  | <b>Abnormal Flags</b>                              | H   | Test Case Fixed Data |
| <b>OBX.11</b> | <b>Observation Result Status</b>                   | F   | Test Case Fixed Data |
| <b>OBX.14</b> | <b>Date/Time of the Observation</b>                |   |                      |
| OBX.14.1      | Time   | 20120628070100  | Changeable Data      |
| <b>OBX.19</b> | <b>Date/Time of the Analysis</b>                   |   |                      |
| OBX.19.1      | Time   | 20120629092700  | Changeable Data      |
| <b>OBX.23</b> | <b>Performing Organization Name</b>                |   |                      |
| 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      |
| <b>OBX.24</b> | <b>Performing Organization Address</b>             |   |                      |
| 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      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b>    |   |                      |
| 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      |
| <b>OBX.29</b> | <b>Observation Type</b>                            | RSLT  | Test Case Fixed Data |