

SampleCDA - salmonella nonhuman positive.xml

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<?xml-stylesheet type="text/xsl" href="sondra-IBM-CDA.xslt"?>
<ClinicalDocument xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="urn:h17-org:v3"

xmlns:lab="urn:oid:1.3.6.1.4.1.19376.1.3.2" xsi:schemaLocation="urn:h17-org:v3
CDA.xsd">
  <realmCode code="US"/>
  <typeId extension="POCD_HD000040" root="2.16.840.1.113883.1.3"/>
  <templateId extension="Lab.Report.Clinical.Document"
root="1.3.6.1.4.1.19376.1.3.3"/>
  <id root="1.19.6.11.13.109007024028182000.1187820839641.13"/>
  <code code="18725-2" codesystem="2.16.840.1.113883.6.1" codesystemName="LOINC"
displayName="Microbiology Studies"/>
  <title>Public Health Laboratory Report</title>
  <effectiveTime value="20070822171359.0641-0500"/>
  <confidentialityCode code="N" codesystem="2.16.840.1.113883.5.25"
displayName="Normal"/>
  <languageCode code="en-US"/>
  <setId extension="07SR012345" root="2.16.840.1.113883.1.3"/>
  <versionNumber value="1"/>
  <recordTarget typeCode="RCT">
    <patientRole classCode="PAT">
      <id extension="90385202" root="1.19.6.11.13"/>
      <patient nullFlavor="OTH"/>
    </patientRole>
  </recordTarget>
  <author>
    <time value="20070822171359.0641-0500"/>
    <assignedAuthor>
      <id extension="AD2007" root="1.19.6.11.13"/>
      <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
      <telecom value="408-555-5555"/>
      <assignedPerson>
        <name><family>Person</family><given>Author</given></name>
      </assignedPerson>
      <representedOrganization>
        <id extension="AD2007" root="1.19.6.11.13"/>
        <name>IBM</name>
        <telecom value="408-555-5555"/>
        <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
      </representedOrganization>
    </assignedAuthor>
  </author>
  <author>
    <time value="20070822171359.0641-0500"/>
    <assignedAuthor>
      <id extension="AD2007" root="1.19.6.11.13"/>
      <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
      <telecom value="408-555-5555"/>
      <assignedAuthoringDevice>
        <softwareName>IBM Public Health Application System</softwareName>
      </assignedAuthoringDevice>
      <representedOrganization>
        <id extension="AD2007" root="1.19.6.11.13"/>

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        <name>IBM DEVICE</name>
        <telecom value="408-555-5555"/>
        <addr><streetAddressLine>650 Harry Rd</streetAddressLine><city>San
Jose</city><state>CA</state><postalCode>95120</postalCode><country>USA</country></ad
dr>
        </representedOrganization>
        </assignedAuthor>
        </author>
        <custodian typeCode="CST">
        <assignedCustodian classCode="ASSIGNED">
        <representedCustodianOrganization>
        <id root="1.19.6.11.13"/>
        <name>Universal Custodian Services</name>
        <telecom value="789-555-2121"/>
        <addr><streetAddressLine>1600 Pennsylvania
Ave</streetAddressLine><city>Washington
DC</city><postalCode>98765</postalCode><country>USA</country></addr>
        </representedCustodianOrganization>
        </assignedCustodian>
        </custodian>
        <informationRecipient>
        <intendedRecipient>
        <id extension="0000" root="1.19.6.11.13"/>
        <addr><streetAddressLine>1600 Clifton
Road</streetAddressLine><city>Atlanta</city><state>GA</state><postalCode>30333</post
alCode><country>USA</country></add
r>
        <telecom value="404-639-3535"/>
        <informationRecipient>
        <name><family>Angulo</family><given>Fred</given></name>
        </informationRecipient>
        <receivedOrganization>
        <id extension="0000" root="1.19.6.11.13"/>
        <name>FoodNet</name>
        <telecom value="404-639-3535"/>
        <addr><streetAddressLine>1600 Clifton
Road</streetAddressLine><city>Atlanta</city><state>GA</state><postalCode>30333</post
alCode><country>USA</country></add
r>
        </receivedOrganization>
        </intendedRecipient>
        </informationRecipient>
        <legalAuthenticator>
        <time value="20070822171359.0641-0500"/>
        <signatureCode code="S"/>
        <assignedEntity>
        <id extension="B092987200201" root="1.19.6.11.13"/>
        <addr><streetAddressLine>7000 Laboratory
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
        <telecom value="312-555-5555"/>
        <assignedPerson>
        <name><family>Johnson</family><given>Linda</given><prefix>Dr</prefix></name>
        </assignedPerson>

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```
<representedOrganization>
  <id extension="rm83747" root="1.19.6.11.13"/>
  <name>Public Health Laboratory</name>
  <telecom value="312-555-5555"/>
  <addr><streetAddressLine>1234 Laboratory
```

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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
```

dr>

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  </representedOrganization>
  </assignedEntity>
</legalAuthenticator>
<authenticator>
  <time value="20070822171359.0641-0500"/>
  <signatureCode code="S"/>
  <assignedEntity>
    <id extension="274" root="1.19.6.11.13"/>
    <addr><streetAddressLine>7000 Laboratory
```

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Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
```

dr>

```
  <telecom value="312-555-5555"/>
  <assignedPerson>
    <name><suffix>MT
ASCP</suffix><family>Technologist</family><given>274</given></name>
  </assignedPerson>
  <representedOrganization>
    <id extension="rm83747" root="1.19.6.11.13"/>
    <name>Public Health Laboratory</name>
    <telecom value="312-555-5555"/>
    <addr><streetAddressLine>1234 Laboratory
```

```
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
```

dr>

```
  </representedOrganization>
  </assignedEntity>
</authenticator>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="20951-0" codeSystem="LOINC" codeSystemName="Salmonella Serotype"
displayName="2.16.840.1.113883.6.1"/>
  </order>
</inFulfillmentOf>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="29576-6" codeSystem="LOINC" codeSystemName="Microbiology
Susceptibility"
```

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displayName="2.16.840.1.113883.6.1"/>
  </order>
</inFulfillmentOf>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="PHAGE-X" codeSystem="LOINC" codeSystemName="Salmonella Phagetype"
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displayName="2.16.840.1.113883.6.1"/>
</order>
</inFulfillmentOf>
<inFulfillmentOf>
  <order>
    <id extension="28902809" root="1.19.6.11.13"/>
    <code code="PFGEY-Y" codeSystem="LOINC" codeSystemName="Salmonella Pulsenet"
displayName="2.16.840.1.113883.6.1"/>
</order>
</inFulfillmentOf>
<documentationOf>
  <serviceEvent>
    <effectiveTime>
      <low value="20070604"/>
      <high value="20070608"/>
    </effectiveTime>
    <performer typeCode="PRF">
      <assignedEntity>
        <id extension="rm83747" root="1.19.6.11.13"/>
        <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
  <telecom value="312-555-5555"/>
  <assignedPerson>
<name><family>Trenton</family><given>Douglas</given><prefix>Dr.</prefix></name>
  </assignedPerson>
  <representedOrganization>
    <id extension="rm83747" root="1.19.6.11.13"/>
    <name>Hospital Laboratory</name>
    <telecom value="312-555-5555"/>
    <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
  </representedOrganization>
  </assignedEntity>
  </performer>
</serviceEvent>
</documentationOf>
<authorization>
  <consent classCode="CONS" moodCode="EVN">
    <statusCode code="completed"/>
  </consent>
</authorization>
<componentOf>
  <encompassingEncounter>
    <id extension="ENC1234" root="1.19.6.11.13"/>
    <effectiveTime value="20070604"/>
    <location>
      <healthCareFacility>
        <code code="HU" codeSystem="2.16.840.1.113883.5.10588" codeSystemName="HL7
Service Delivery Location"
displayName="Hospital Unit"/>
      </healthCareFacility>

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    </location>
  </encompassingEncounter>
</componentOf>
<component typeCode="COMP">
  <structuredBody classCode="DOCBODY" moodCode="EVN">
    <component typeCode="COMP">
      <section classCode="DOCSECT">
        <code code="18725-2" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="Microbiology

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Studies"/>

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  <title>Public Health Laboratory Report</title>
  <text><table>
    <thead ID="isoTest">
      <tr>
        <th>Organism Isolated</th>
        <th>Specimen Type</th>
        <th>Comments</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Salmonella Group C</td>
        <td/>
        <td/>
      </tr>
    </tbody>
  </table><table>
    <thead ID="serotypeTest">
      <tr>
        <th>Salmonella Serotype</th>
        <th>LOINC</th>
        <th>SNOMED</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Salmonella tennessee 6,7,14;z29;1,2,7</td>
        <td>6463-4</td>
        <td>79153007</td>
      </tr>
    </tbody>
  </table><table>
    <thead>
      <tr>
        <th>Salmonella Susceptibility</th>
        <th>Interpretation</th>
        <th>Comments</th>
      </tr>
    </thead>
    <tbody>
      <tr ID="a0">
        <td>Tetracycline</td>
        <td>Susceptible</td>
        <td></td>
      </tr>
      <tr ID="a1">
        <td>Ciprofloxacin</td>
        <td>Susceptible</td>
        <td></td>
      </tr>
      <tr ID="a2">
        <td>Trimethprim + sulfamethoxazole</td>

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        <td>Susceptible</td>
        <td></td>
    </tr>
    <tr ID="a3">
        <td>Ampicillin</td>
        <td>Susceptible</td>
        <td></td>
    </tr>
    <tr ID="a4">
        <td>Chloramphenicol</td>
        <td>Susceptible</td>
        <td></td>
    </tr>
    <tr ID="a5">
        <td>Ceftriaxone</td>
        <td>Susceptible</td>
        <td></td>
    </tr>
</tbody>
</table><table>
    <thead ID="phagetypeTest">
        <tr>
            <th>Salmonella Phagetype</th>
            <th>Comments</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td/>
            <td>Isolate not phagetyped.</td>
        </tr>
    </tbody>
</table><table>
    <thead ID="pulsenetTest">
        <tr>
            <th>Salmonella PulseNet</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>PulseNet image embedded in document.</td>
        </tr>
    </tbody>
</table><renderMultiMedia referencedObject="PulseNet"/></text>
<entry typeCode="DRIV">
    <templateId extension="Lab.Report.Data.Processing.Entry"
root="1.3.6.1.4.1.19376.1.3"/>
    <act classCode="ACT" moodCode="EVN">
        <statusCode code="completed"/>
        <subject>
            <relatedSubject>
                <code code="CHK" codeSystem="0.0.0.0.3.3" codeSystemName="Animal
System Name"
displayName="Chicken"/>
                <addr><streetAddressLine>1010 Mineral Point
Road</streetAddressLine><city>Janesville</city><state>WI</state><postalCode>53545</p
ostalCode><country>USA</country></addr>
            </relatedSubject>
        </subject>

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        SampleCDA - salmonella nonhuman positive.xml
    <specimen typeCode="SPC">
        <specimenRole classCode="SPEC">
            <id extension="55584739900388" root="1.19.6.11.13"/>
            <specimenPlayingEntity classCode="MIC">
                <code code="EFOD" codeSystem="2.16.840.1.113883.5.129"
displayName="Chicken"/>
            </specimenPlayingEntity>
            <lab:productOf typeCode="PRD">
                <lab:procedure classCode="PROC" moodCode="EVN">
                    <effectiveTime value="20070604"/>
                    <participant>
                        <participantRole>
                            <addr><streetAddressLine>7000 Hosptial
Drive</streetAddressLine><city>Chicago</city><state>IL</state><postalCode>60622</pos
talCode><country>USA</country></ad
dr>
                                <telecom value="312-555-5555"/>
                            </participantRole>
                        </participant>
                    </lab:procedure>
                </lab:productOf>
            </specimenRole>
        </specimen>
        <entryRelationship typeCode="COMP">
            <act classCode="ACT" moodCode="EVN">
                <code code="SPC_REC" codeSystem="X.X" codeSystemName="PHLab"
displayName="Specimen Received
Date/Time"/>
                    <effectiveTime value="20070605"/>
                </act>
            </entryRelationship>
            <entryRelationship typeCode="COMP">
                <observation classCode="OBS" moodCode="EVN">
                    <code code="27268008" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT"
displayName="Salmonella">
                        <qualifier>
                            <name code="XXX" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-RT"
displayName="FROM RELATIONSHIP"/>
                                <value code="YYY" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-RT"
displayName="HUMAN/FOOD/ANIMAL"/>
                                    </qualifier>
                                <translation code="6463-4" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Salmonella"/>
                                        <translation code="L-17100" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED"
displayName="Salmonella"/>
                                            </code>
                                        </observation>
                                    </entryRelationship>
                                <entryRelationship typeCode="COMP">
                                    <organizer classCode="CLUSTER" moodCode="EVN">

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<statusCode code="completed"/>
<effectiveTime value="20070608"/>
<specimen>
  <specimenRole classCode="ISLT">
    <specimenPlayingEntity>
      <code code="79153007" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT"
displayName="Salmonella tennessee 6,7,14;z29;1,2,7">
      <translation code="6463-4"
codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Salmonella tennessee 6,7,14;z29;1,2,7"/>
      <translation code="L-17601"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED"
displayName="Salmonella tennessee 6,7,14;z29;1,2,7"/>
    </code>
  </specimenPlayingEntity>
</specimenRole>
</specimen>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="89029-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Microbiology Culture">
      <originalText><reference value="isoTest"/></originalText>
      </code>
      <text/>
      <statusCode code="completed"/>
      <effectiveTime value="20070608"/>
      <value xsi:type="CE" code="1116048001"
codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED" displayName="Salmonella Group C"/>
    </observation>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <code code="20951-0" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Salmonella Serotype">
      <originalText><reference
value="serotypeTest"/></originalText>
      </code>
      <text>Serotype Test Result Comment</text>
      <statusCode code="completed"/>
      <effectiveTime value="20070608"/>
      <value xsi:type="CE" code="79153007"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
-CT" displayName="Salmonella tennessee 6,7,14;z29;1,2,7"/>
    </observation>
  </component>
  <component>
    <organizer classCode="BATTERY" moodCode="EVN">
      <code code="29576-6" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC"
displayName="Microbiology Susceptibility"/>
      <statusCode code="completed"/>

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```
<effectiveTime value="20070608"/>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18993-6" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Tetracycline">
      <originalText><reference value="a0"/></originalText>
      </code>
      <statusCode code="completed"/>
      <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18906-8" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Ciprofloxacin">
      <originalText><reference value="a1"/></originalText>
      </code>
      <statusCode code="completed"/>
      <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18995-5" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Trimethprim + Sulfamethoxazole">
      <originalText><reference value="a2"/></originalText>
      </code>
      <statusCode code="completed"/>
      <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18864-9" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Ampicillin">
      <originalText><reference value="a3"/></originalText>
      </code>
      <statusCode code="completed"/>
      <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
    </observation>
  </component>
<component>
  <observation classCode="OBS" moodCode="EVN">
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```
<code code="18903-5" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Chloramphenicol">
  <originalText><reference value="a4"/></originalText>
  </code>
  <statusCode code="completed"/>
  <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
  </observation>
</component>
<component>
  <observation classCode="OBS" moodCode="EVN">
    <code code="18895-3" codesystem="2.16.840.1.113883.6.1"
codesystemName="LOINC"
displayName="Ceftriaxone">
      <originalText><reference value="a5"/></originalText>
      </code>
      <statusCode code="completed"/>
      <interpretationCode code="S"
codesystem="2.16.840.1.113883.11.10219"
displayName="Susceptible"/>
        </observation>
      </component>
    </organizer>
  </component>
  <component>
    <observation classCode="OBS" moodCode="EVN">
      <code code="PHAGETYPE_TEST" codesystemName="TEST INDICATOR">
        <originalText><reference
value="phagetypeTest"/></originalText>
        </code>
        <text>Isolate not phagetyped.</text>
        <statusCode code="completed"/>
        <effectiveTime value="20070608"/>
        <methodCode code="CULTURE"
codesystem="1.2.820.99999.106000022002159086.1170200374775.3"
displayName="Culture"/>
          </observation>
        </component>
      <component>
        <observation classCode="OBS" moodCode="EVN">
          <code code="PULSE_NET_RESULT" codesystemName="TEST INDICATOR">
            <originalText><reference
value="pulsenetTest"/></originalText>
            </code>
            <text>PFGE image included.</text>
            <statusCode code="completed"/>
            <effectiveTime value="20070608"/>
            <methodCode code="PFGE"
codesystem="1.2.820.99999.106000022002159086.1170200374775.3"
displayName="PFGE"/>
              </observation>
            </component>
          </organizer>
        </entryRelationship>
      </act>
```

```
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</entry>
<entry>
  <observationMedia classCode="OBS" ID="PulseNet" moodCode="EVN">
    <value representation="B64" mediaType="image/jpeg">XX</value>
  </observationMedia>
</entry>
</section>
</component>
</structuredBody>
</component>
</ClinicalDocument>
```