-Description

Mr. William A. Jones is a 51 year old white male who presented with a complaint of diarrhea times 3 days. Dr. Nicholas Radon ordered a stool culture test to be performed. A stool specimen for the microbiology test was collected from the patient and sent to the clinical lab at Century Hospital, 2070 Test Park, Los Angeles, CA, 90067, for processing. The stool specimen was analyzed and preliminary result are sent 24 hours later, identifying E. coli O157:H7, Salmonella and Shigella flexneri.

Approximately 48 hours later the Final results, including susceptibility testing of Shigella flexneri are available. The final result report was generated by the LIS and transmitted to the patient's record in the ambulatory EHR used in Dr. Radon's office practice.

Five hours later the laboratorian realizes that the result in the susceptibility suite for Shigella Flexneri was wrong and corrects the report.

-Comments

This is a variation of a follow up report to LRI 4.2 2.1-GU FRN

This test case is evaluating correct use of the status codes in OBR-25 and OBX-11.

Special case test aspects include ensuring that the system can correctly populate the data elements for linking parent/child results in accordance with the requirements specified in the implementation guide for the FRN and FRU profiles.

-PreCondition

LRI_4.0_1.1-GU AND LRI_4.2_2.1-GU_FRN have been sent previously.

-PostCondition-

No Post Condition.

-TestObjectives

• Determine if the system can correctly create a valid Parent-Child message for a corrected Stool Culture/Susceptibility microbiology test report.

Notes to Testers

This is a variation of a follow up report to LRI_4.2_2.1-GU_FRN

Check that the parent-child linkage is correctly implemented:

The second OBR has OBR-26 populated with the result that spawned the respective susceptibility testing, e.g. the second group, first sequence of the Stool culture (Salmonella I, group O:4)

The third OBR has OBR-26 populated with the result that spawned the respective susceptibility testing, e.g. the third group, first sequence Stool culture (Shigella flexneri).

In both cases the OBR-29 references the Placer and Filler Order Number of the Stool culture OBR.

In the third OBR a corrected result is sent.

LRI_4.2_3.1-GU_FRN - Culture-Escherichia coli, Salmonella, Shigella - Parent/Child Susceptibility - Correction

Test Case ID LRI_4.2_3.1-GU_FRN

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Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	~\&	IG Fixed Data
MSH.3	Sending Application		
MSH.3.2	Universal ID	2.16.840.1.113883.3.72.5.20	Configurable Data
MSH.3.3	Universal ID Type	ISO	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.2	Universal ID	2.16.840.1.113883.3.72.5.21	Configurable Data
MSH.4.3	Universal ID Type	ISO	IG Fixed Data
MSH.6	Receiving Facility		
MSH.6.2	Universal ID	2.16.840.1.113883.3.72.5.23	Configurable Data
MSH.6.3	Universal ID Type	ISO	IG Fixed Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150926140551	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_4.2_3.1-GU_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	AL	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_GU_Component	IG Fixed Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.12	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	LRI_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	PATID1234	Configurable Data
PID.3.4	Assigning Authority		
PID.3.4.2	Universal ID	2.16.840.1.113883.3.72.5.30.2	Configurable Data
PID.3.4.3	Universal ID Type	ISO	IG Fixed Data
PID.3.5	Identifier Type Code	MR	Configurable Data
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Jones	Changeable Data
	1		

PIDL ocation	Given Nam Data Element	William Data	Changeallegorization
PID.5.3	Second and Further Given Names or Initials Thereof	A	Changeable Data
PID.5.7	Name Type Code	L	Changeable Data
PID.7	Date/Time of Birth		
PID.7.1	Time	19610615	Changeable Data
PID.8	Administrative Sex	M	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 the Coding System	HL70005	Changeable Data
PID.18	Patient Account Number		
PID.18.1	ID Number	PATID1234	Configurable Data
PID.18.4	Assigning Authority		
PID.18.4.2	Universal ID	2.16.840.1.113883.3.72.5.30.2	Configurable Data
PID.18.4.3	Universal ID Type	ISO	IG Fixed Data
PID.18.5	Identifier Type Code	AN	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	ORD723222-4	Changeable Data
ORC.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.2.4	Universal ID Type	ISO	IG Fixed Data
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	R-783274-4	Changeable Data
ORC.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
ORC.3.4	Universal ID Type	ISO	IG Fixed Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874255	Changeable Data
ORC.4.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.4.4	Universal ID Type	ISO	IG Fixed 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.12.9	Assigning Authority		
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	Changeable Data
ORC.12.10	Name Type Code	L	Changeable Data
ORC.12.13	Identifier Type Code	NPI	Changeable Data

-OBR-

Data Element	Data	Categorization
Set ID - OBR	1	IG Fixed Data
Placer Order Number		
Entity Identifier	ORD723222-4	Changeable Data
Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
Universal ID Type	ISO	Changeable Data
Filler Order Number		
Entity Identifier	R-783274-4	Changeable Data
Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
Universal ID Type	ISO	Changeable Data
Universal Service Identifier		
Identifier	625-4	Test Case Fixed Data
	Set ID - OBR Placer Order Number Entity Identifier Universal ID Universal ID Type Filler Order Number Entity Identifier Universal ID Universal ID Universal ID Universal ID Type	Set ID - OBR 1

OBRocation	Text Data Element	Bacteria identified pata ol by Culture	Test Cost Fixed Daten
OBR.4.3	Name of Coding System	LN	Test Case Fixed Data
OBR.4.4	Alternate Identifier	3456543	Changeable Data
OBR.4.5	Alternate Text	CULTURE STOOL	Changeable Data
OBR.4.6	Name of Alternate Coding System	99USL	Changeable Data
OBR.4.7	Coding System Version	2.52	Changeable Data
OBR.4.9	Original Text	Stool Culture	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Time	201509231400	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.16.9	Assigning Authority		
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.16.9.3	Universal ID Type	ISO	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	20150926140551	Changeable Data
OBR.25	Result Status	F	Test Case Fixed Data
OBR.28	Result Copies To		
OBR.28.1	ID Number	10092000194	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Hamlin	Changeable Data
OBR.28.3	Given Name	Pafford	Changeable Data
OBR.28.9	Assigning Authority		
OBR.28.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.28.9.3	Universal ID Type	ISO	Changeable Data
OBR.28.10	Name Type Code	L	Changeable Data
OBR.28.13	Identifier Type Code	NPI	Changeable Data
OBR.47	Filler Supplemental Service Information		
OBR.47.1	Identifier	MIC	Test Case Fixed Data
OBR.47.2	Text	Observation of type microbiology	Test Case Fixed Data
OBR.47.3	Name of the Coding System	HL70411	IG Fixed Data
OBR.47.7	Coding System Version	2.5.1	IG Fixed Data
OBR.49	Results Handling		
OBR.49.1	Identifier	CC	Test Case Fixed Data
OBR.49.2	Text	Copies Requested	Test Case Fixed Data
OBR.49.3	Name of the Coding System	HL70507	IG Fixed Data

		OB11	
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	625-4	Test Case Fixed Data
OBX.3.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.7	Coding System Version	2.52	Changeable Data
OBX.3.9	Original Text	Stool Culture	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.4.2	Group	1	Changeable Data
OBX.4.3	Sequence	1	Changeable Data
OBX.4.4	Identifier	Islt-1	Changeable Data

OBX Eocation	Observation NalueElement	Data	Categorization
OBX.5.1	Identifier	103429008	Changeable Data
OBX.5.2	Text	Enterohemorrhagic Escherichia coli, serotype O157:H7	Changeable Data
OBX.5.3	Name of the Coding System	SCT	Changeable Data
OBX.5.7	Coding System Version	201509USEd	Changeable Data
OBX.5.9	Original Text	Shiga toxin producing E. coli O157:H7 isolated	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	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509251930	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	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	Susceptibility testing for E.coli is not performed, because antibiotics should not be used to treat this infection. There is no evidence that treatment with antibiotics is helpful, and taking antibiotics may increase the risk of hemolytic-uremic syndrome (HUS). Antidiarrheal agents like Imodium may also increase that risk. Non-specific supportive therapy, including hydration, is important.	Changeable Data

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	2	IG Fixed Data

OBX _{Location}	Value Type Data Element	CWE Data	Test Cest Fixed Dates
OBX.3	Observation Identifier		
OBX.3.1	Identifier	625-4	Test Case Fixed Data
OBX.3.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.7	Coding System Version	2.52	Changeable Data
OBX.3.9	Original Text	Stool Culture	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.4.2	Group	2	Changeable Data
OBX.4.3	Sequence	1	Changeable Data
OBX.4.4	Identifier	Islt-2	Changeable Data
OBX.5	Observation Value		
OBX.5.1	Identifier	398567006	Changeable Data
OBX.5.2	Text	Salmonella I, group O:4	Changeable Data
OBX.5.3	Name of the Coding System	SCT	Changeable Data
OBX.5.7	Coding System Version	201509USEd	Changeable Data
OBX.5.9	Original Text	Salmonella I, group O:4 isolated	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		13.12.2.2.2.2.3
OBX.14.1	Time	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis	201209201100	
OBX.19.1	Time	201509251930	Changeable Data
OBX.23	Performing Organization Name	201003201300	
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority	- Contract of the contract of	
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed Data
OBX.23.7	Identifier Type Code	XX	Changeable Data
OBX.23.10	Organization Identifier	24D9871327	Changeable Data
OBX.24	Performing Organization Address	2103071327	Changeasie Bata
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.24.7	Address Type	B	Changeable Data
ODA.24.7	Performing Organization Medical	Б	Changeable Data
OBX.25	Director		
OBX,25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	Changeable Data
	1 Identifier Type Code	* · * *	Jiming Cuoic Dum

-NTE-

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	1	IG Fixed Data
		Salmonella gastrointestinal infections usually resolve in 5-7 days and most do not require treatment other than oral fluids.	

Location	Data Element	Persons with sever paintrhea may require	Categorization
NTE.3	Comment	rehydration with intravenous fluids. Antibiotic therapy can prolong the duration of excretion of non-typhoidal Salmonella and is recommended only for patients with severe illness (e.g., those with severe diarrhea, high fever, bloodstream infection, or who need hospitalization) or those at risk of severe disease or complications, including young infants, older adults (over 65 years old) and immunocompromised persons. Antibiotic resistance is increasing among some Salmonella bacteria; therefore, susceptibility testing can help guide appropriate therapy. Choices for antibiotic therapy for severe infections include fluoroquinolones, third-generation cephalosporins, and ampicillin (for susceptible infections).	Changeable Data

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	625-4	Test Case Fixed Data
OBX.3.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.7	Coding System Version	2.52	Changeable Data
OBX.3.9	Original Text	Stool Culture	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.4.2	Group	3	Changeable Data
OBX.4.3	Sequence	1	Changeable Data
OBX.4.4	Identifier	Islt-3	Changeable Data
OBX.5	Observation Value		
OBX.5.1	Identifier	85729005	Changeable Data
OBX.5.2	Text	Shigella flexneri	Changeable Data
OBX.5.3	Name of the Coding System	SCT	Changeable Data
OBX.5.7	Coding System Version	201509USEd	Changeable Data
OBX.5.9	Original Text	Shigella flexneri isolated	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	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509251930	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical		

Location	Director Data Element	Data	Categorization
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	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	Antibiotic treatment is recommended for patients with severe disease, bloody diarrhea, or compromised immune systems. Resistance to traditional first-line drugs like ampicillin and trimethoprimsulfamethoxazole is common, and resistance to some other antibiotics is increasing. With this in mind, antibiotic susceptibility testing can help guide appropriate therapy. When an ampicillin- or trimethroprim-sulfamethoxazole-resistant strain is isolated, choices for therapy include fluoroquinolones, ceftriaxone, and azithromycin.	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-2015-66	Configurable Data
SPM.2.1.3		2.16.840.1.113883.3.72.5.24	Configurable Data
SPM.2.1.4		ISO	Changeable Data
SPM.2.2			
SPM.2.2.1		S-9911-33	Changeable Data
SPM.2.2.3		2.16.840.1.113883.3.72.5.25	Changeable Data
SPM.2.2.4		ISO	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.1	Identifier	119339001	Changeable Data
SPM.4.2	Text	Stool specimen	Changeable Data
SPM.4.3	Name of the Coding System	SCT	Changeable Data
SPM.4.7	Coding System Version	201509USEd	Changeable Data
SPM.4.9	Original Text	Stool	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Time	201509231400	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-783274-4	Changeable Data
ORC.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
			İ

OR Eocation	Universal IID Track Element	ISO Data	IG Fixedateatorization
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874255	Changeable Data
ORC.4.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.4.4	Universal ID Type	ISO	IG Fixed 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.12.9	Assigning Authority		
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	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	625-4	Test Case Fixed Data
ORC.31.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
ORC.31.3	Name of the Coding System	LN	Test Case Fixed Data
ORC.31.4	Alternate Identifier	3456543	Changeable Data
ORC.31.5	Alternate Text	CULTURE STOOL	Changeable Data
ORC.31.6	Name of Alternate Coding System	99USL	Changeable Data
ORC.31.7	Coding System Version	2.52	
ORC.31.9	Original Text	Stool Culture	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-783274-4	Changeable Data
OBR.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.3.4	Universal ID Type	ISO	Changeable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	50545-3	Test Case Fixed Data
OBR.4.2	Text	Bacterial susceptibility panel in Isolate by Minimum inhibitory concentration (MIC)	Test Case Fixed Data
OBR.4.3	Name of Coding System	LN	Test Case Fixed Data
OBR.4.7	Coding System Version	2.52	Changeable Data
OBR.4.9	Original Text	Bacteria susceptibility	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Time	201509231400	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.16.9	Assigning Authority		
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.16.9.3	Universal ID Type	ISO	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	20150927112054	Changeable Data
OBR.25	Result Status	F	Test Case Fixed Data
OBR.26	Parent Result		
OBR.26.1	Parent Observation Identifier		

OBBcation!	Identifier Data Element	625-4 Data	Test Cost Fixed and
OBR.26.1.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBR.26.1.3	Name of the Coding System	LN	Test Case Fixed Data
OBR.26.1.7	Coding System Version	2.52	Changeable Data
OBR.26.1.9	Original Text	Stool Culture	Changeable Data
OBR.26.2	Parent Observation Sub-Identifier		
OBR.26.2.2	Group	2	Test Case Fixed Data
OBR.26.2.3	Sequence	1	Test Case Fixed Data
OBR.26.2.4	Identifier	Islt-2	Test Case Fixed Data
OBR.28	Result Copies To		
OBR.28.1	ID Number	10092000194	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Hamlin	Changeable Data
OBR.28.3	Given Name	Pafford	Changeable Data
OBR.28.9	Assigning Authority		
OBR.28.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.28.9.3	Universal ID Type	ISO	Changeable Data
OBR.28.10	Name Type Code	L	Changeable Data
OBR.28.13	Identifier Type Code	NPI	Changeable Data
OBR.29	Parent		
OBR.29.1	Placer Assigned Identifier		
OBR.29.1.1	Entity Identifier	ORD723222-4	Changeable Data
OBR.29.1.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
OBR.29.1.4	Universal ID Type	ISO	Changeable Data
OBR.29.2	Filler Assigned Identifier		
OBR.29.2.1	Entity Identifier	R-783274-4	Changeable Data
OBR.29.2.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.29.2.4	Universal ID Type	ISO	Changeable Data
OBR.47	Filler Supplemental Service Information		
OBR.47.1	Identifier	MIC	Test Case Fixed Data
OBR.47.2	Text	Observation of type microbiology	Test Case Fixed Data
OBR.47.3	Name of the Coding System	HL70411	IG Fixed Data
OBR.47.7	Coding System Version	2.5.1	IG Fixed Data
OBR.49	Results Handling		
OBR.49.1	Identifier	CC	Test Case Fixed Data
OBR.49.2	Text	Copies Requested	Test Case Fixed Data
OBR.49.3	Name of the Coding System	HL70507	IG Fixed Data
OBR.50	Parent Universal Service Identifier		
OBR.50.1	Identifier	625-4	Test Case Fixed Data
OBR.50.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBR.50.3	Name of the Coding System	LN	Test Case Fixed Data
	Alternate Identifier	3456543	Changeable Data
OBR 50.4			Jimigouole Dum
OBR.50.4 OBR.50.5			Changeable Data
OBR.50.5	Alternate Text	CULTURE STOOL	Changeable Data
			Changeable Data Changeable Data Changeable Data

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	28-1	Test Case Fixed Data
OBX.3.2	Text	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data

OB E ocation	Coding Systemata Coding Systemata	2.52 Data	Changeable gorization
OBX.4	Observation Sub-ID		
OBX.4.2	Group	1	Test Case Fixed Data
OBX.4.3	Sequence	1	Test Case Fixed Data
OBX.4.4	Identifier	Islt-2	Test Case Fixed Data
OBX.5	Observation Value		
OBX.5.1	Comparator	<	Test Case Fixed Data
OBX.5.2	Num1	0.06	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	ug/mL	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
OBX.8	Abnormal Flags	S	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	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509261100	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX,23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	Changeable Data
OBX,29	Observation Type	RSLT	Test Case Fixed Data
OBX.30	Observation SubType	SUR	Test Case Fixed Data

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	2	IG Fixed Data
OBX.2	Value Type	SN	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	267-5	Test Case Fixed Data
OBX.3.2	Text	Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data

OB Łocation	Coding Systemata Coding Systemata	2.52 Data	Changeallegorization
OBX.4	Observation Sub-ID		
OBX.4.2	Group	1	Test Case Fixed Data
OBX.4.3	Sequence	1	Test Case Fixed Data
OBX.4.4	Identifier	Islt-2	Test Case Fixed Data
OBX.5	Observation Value		
OBX.5.2	Num1	0.05	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	ug/mL	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
OBX.8	Abnormal Flags	S	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	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509261100	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	Changeable Data
OBX.29	Observation Type	RSLT	Test Case Fixed Data
OBX.30	Observation SubType	SUR	Test Case Fixed Data

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	3	IG Fixed Data
OBX.2	Value Type	SN	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	185-9	Test Case Fixed Data
OBX.3.2	Text	Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.7	Coding System Version	2.52	Changeable Data

OBX _{Elocation}	Observation Sukal Plement	Data	Categorization
OBX.4.2	Group	1	Test Case Fixed Data
OBX.4.3	Sequence	1	Test Case Fixed Data
OBX.4.4	Identifier	Islt-2	Test Case Fixed Data
OBX.5	Observation Value		
OBX.5.2	Num1	0.05	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	ug/mL	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
OBX.8	Abnormal Flags	S	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	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509261100	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	Changeable Data
OBX.29	Observation Type	RSLT	Test Case Fixed Data
OBX.30	Observation SubType	SUR	Test Case Fixed 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-783274-4	Changeable Data
ORC.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
ORC.3.4	Universal ID Type	ISO	IG Fixed Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874255	Changeable Data
ORC.4.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.4.4	Universal ID Type	ISO	IG Fixed Data

ORCIL 3 cation	Ordering PropidarElement	Data	Categorization
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.12.9	Assigning Authority		
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	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	625-4	Test Case Fixed Data
ORC.31.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
ORC.31.3	Name of the Coding System	LN	Test Case Fixed Data
ORC.31.4	Alternate Identifier	3456543	Changeable Data
ORC.31.5	Alternate Text	CULTURE STOOL	Changeable Data
ORC.31.6	Name of Alternate Coding System	99USL	Changeable Data
ORC.31.7	Coding System Version	2.52	
ORC.31.9	Original Text	Stool Culture	Changeable Data

-OBR-

Location	Data Element	Data	Categorization
OBR.1	Set ID - OBR	3	IG Fixed Data
OBR.3	Filler Order Number		
OBR.3.1	Entity Identifier	R-783274-4	Changeable Data
OBR.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.3.4	Universal ID Type	ISO	Changeable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	50545-3	Test Case Fixed Data
OBR.4.2	Text	Bacteria susceptibility	Test Case Fixed Data
OBR.4.3	Name of Coding System	LN	Test Case Fixed Data
OBR.4.7	Coding System Version	2.52	Changeable Data
OBR.4.9	Original Text	Bacteria susceptibility	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Time	201509231400	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.16.9	Assigning Authority		
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.16.9.3	Universal ID Type	ISO	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	20150927163551	Changeable Data
OBR.25	Result Status	С	Test Case Fixed Data
OBR.26	Parent Result		
OBR.26.1	Parent Observation Identifier		
OBR.26.1.1	Identifier	625-4	Test Case Fixed Data
OBR.26.1.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBR.26.1.3	Name of the Coding System	LN	Test Case Fixed Data
OBR.26.1.7	Coding System Version	2.52	Changeable Data
OBR.26.1.9	Original Text	Stool Culture	Changeable Data
OBR.26.2	Parent Observation Sub-Identifier		

OBBeation?	Group Data Element	3 Data	Test Cesa Fixed Daton
OBR.26.2.3	Sequence	1	Test Case Fixed Data
OBR.26.2.4	Identifier	Islt-3	Test Case Fixed Data
OBR.28	Result Copies To		
OBR.28.1	ID Number	10092000194	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Hamlin	Changeable Data
OBR.28.3	Given Name	Pafford	Changeable Data
OBR.28.9	Assigning Authority		
OBR.28.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBR.28.9.3	Universal ID Type	ISO	Changeable Data
OBR.28.10	Name Type Code	L	Changeable Data
OBR.28.13	Identifier Type Code	NPI	Changeable Data
OBR.29	Parent		
OBR.29.1	Placer Assigned Identifier		
OBR.29.1.1	Entity Identifier	ORD723222-4	Changeable Data
OBR.29.1.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
OBR.29.1.4	Universal ID Type	ISO	Changeable Data
OBR.29.2	Filler Assigned Identifier		
OBR.29.2.1	Entity Identifier	R-783274-4	Changeable Data
OBR.29.2.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.29.2.4	Universal ID Type	ISO	Changeable Data
OBR.47	Filler Supplemental Service Information		
OBR.47.1	Identifier	MIC	Test Case Fixed Data
OBR.47.2	Text	Observation of type microbiology	Test Case Fixed Data
OBR.47.3	Name of the Coding System	HL70411	IG Fixed Data
OBR.47.7	Coding System Version	2.5.1	IG Fixed Data
OBR.49	Results Handling		
OBR.49.1	Identifier	CC	Test Case Fixed Data
OBR.49.2	Text	Copies Requested	Test Case Fixed Data
OBR.49.3	Name of the Coding System	HL70507	IG Fixed Data
OBR.50	Parent Universal Service Identifier		
OBR.50.1	Identifier	625-4	Test Case Fixed Data
OBR.50.2	Text	Bacteria identified in Stool by Culture	Test Case Fixed Data
OBR.50.3	Name of the Coding System	LN	Test Case Fixed Data
OBR.50.4	Alternate Identifier	3456543	Changeable Data
OBR.50.5	Alternate Text	CULTURE STOOL	Changeable Data
OBR.50.6	Name of Alternate Coding System	99USL	Changeable Data
OBR.50.7	Coding System Version	2.52	Changeable Data
OBR.50.9	Original Text	Stool Culture	Changeable Data

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	28-1	Test Case Fixed Data
OBX.3.2	Text	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.7	Coding System Version	2.52	Changeable Data
OBX.4	Observation Sub-ID		
OBX.4.2	Group	1	Test Case Fixed Data
OBX.4.3	Sequence	1	Test Case Fixed Data
OBX.4.4	Identifier	Islt-3	Test Case Fixed Data
OBX.5	Observation Value		

OB Kocation	Comparator Data Element	< Data	Test Cost Fixed Anton
OBX.5.2	Num1	32	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	ug/mL	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
OBX.8	Abnormal Flags	R	Test Case Fixed Data
OBX.11	Observation Result Status	C	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	201509231400	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509271120	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed 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.24.7	Address Type	В	Changeable Data
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	5432178916	Changeable Data
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.25.9	Assigning Authority		
OBX.25.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	NPI	Changeable Data
OBX.29	Observation Type	RSLT	Test Case Fixed Data
OBX.30	Observation SubType	SUR	Test Case Fixed Data

-NTE-

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	1	IG Fixed Data
NTE.3		During the repeat test the amoxicillin result indicated resistance, rather than falling into the indeterminate realm.	

Patient Information————————————————————————————————————		
Ele me nt	Data	
Name	William A Jones	
Date/Time of Birth	06/15/1961	
Administrative Sex	Male	
Race	White	
Alt Race		

Order Observation[*]

Order Observation-

Ordering Provider

Element	Data				
Name	Nicholas Radon				
Identifier number	5742200012				

Observation Details-

Element	Data				
Observation General Information					
Placer Order Number	ORD723222-4				
Filler Order Number	R-783274-4				
Placer Group Number	GORD874255				
Parent Universal Service Identifier					
Identifier					
Text					
Alt Identifier					
Alt Text					
Original Text					
Observation Details					
Universal Service Identifier	Bacteria identified in Stool by Culture				
Observation Date/Time	09/23/2015 2:00 PM				
Observation end Date/Time					
Specimen Action Code					
Relevant Clinical Information					
Relevant Clinical Information Original Text					
Observation Result Information					
Result Status	F				
Results Report/Status Change - Date/Time	09/26/2015 2:05 PM				
Results Copy To					
Name	Pafford				
Identifier	10092000194				
Results Handling					
Standard					
Observation Notes					

Element	Data
Priority	
Start Date/time	
End Date/time	

Results Performing Laboratory-

Data
Century Hospital
24D9871327
2070 Test Park Los Angeles CA 90067
Phil J. Knowsalot
5432178916

Specimen Information-

Element	Data
Specimen Type	Stool specimen
Alt Specimen Type	
Specimen Original Text	Stool
Start date/time	201509231400

-Lab results-

Element				Data					
Test performed				Stool Culture					
Test Report date			09/26/2015 14:05						
Result Observation Name	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Date/Time of Analysis	Notes	

	Stool Culture	Shiga toxin producing E. coli O157:H7 isolated		A	F	09/23/2015 14:00	09/25/2015 19:30	Susceptibility testing for E.coli is not performed, because antibiotics should not be used to treat this infection. There is no evidence that treatment with antibiotics is helpful, and taking antibiotics may increase the risk of hemolytic-uremic syndrome (HUS). Antidiarrheal agents like Imodium may also increase that risk. Nonspecific supportive therapy, including hydration, is important. Salmonella
								gastrointestinal infections usually resolve in 5-7 days and most do not require treatment other than oral fluids. Persons with severe diarrhea may require rehydration with intravenous fluids. Antibiotic therapy can prolong the duration of excretion of non-typhoidal Salmonella and is recommended only for

Stool Culture	Salmonella I, group O:4 isolated		A	F	09/23/2015 14:00	09/25/2015	patients with severe illness (e.g., those with severe diarrhea, high fever, bloodstream infection, or who need hospitalization) or those at risk of severe disease or complications, including young infants, older adults (over 65 years old) and immunocompromise persons. Antibiotic resistance is increasing among some Salmonella bacteria; therefore, susceptibility testing can help guide appropriate therapy. Choices for antibiotic therapy for severe infections include fluoroquinolones, third-generation cephalosporins.
							cephalosporins, and ampicillin (for susceptible infections).

Stool Culture	Shigella eflexneri isolated			A	F	09/23/2015 14:00	09/25/2015 19:30	Antibiotic treatment is recommended for patients with severe disease, bloody diarrhea, or compromised immune systems. Resistance to traditional first-line drugs like ampicillin and trimethoprimsulfamethoxazole is common, and resistance to some other antibiotics is increasing. With this in mind, antibiotic susceptibility testing can help guide appropriate therapy. When an ampicillin- or trimethroprimsulfamethoxazole-resistant strain is isolated, choices for therapy include fluoroquinolones, ceftriaxone, and azithromycin.
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Order Observation-

Ordering Provider

Element	Data
Name	Nicholas Radon
Identifier number	5742200012

Observation Details

Element	Data					
Observation General Information						
Placer Order Number						
Filler Order Number	R-783274-4					
Placer Group Number	GORD874255					

Parent Universal Service Identifier	
Identifier	625-4
Text	Bacteria identified in Stool by Culture
Alt Identifier	3456543
Alt Text	CULTURE STOOL
Original Text	Stool Culture
Observation Details	
Universal Service Identifier	Bacterial susceptibility panel in Isolate by Minimum inhibitory concentration (MIC)
Observation Date/Time	09/23/2015 2:00 PM
Observation end Date/Time	
Specimen Action Code	G
Relevant Clinical Information	
Relevant Clinical Information Original Text	
Observation Result Information	
Result Status	F
Results Report/Status Change - Date/Time	09/27/2015 11:20 AM
Results Copy To	
Name	Pafford
Identifier	10092000194
Results Handling	
Standard	
Observation Notes	

-Timing	/Oua	ntity	Infor	nation-

Element	Data
Priority	
Start Date/time	
End Date/time	

Results Performing Laboratory

Element	Data
Laboratory Name	Century Hospital
Organization identifier	24D9871327
Address	2070 Test Park Los Angeles CA 90067
Director Name	Phil J. Knowsalot
Director identifier	5432178916

-Lab results-

Element			Data					
Test performed		Bacteria susceptibility						
Test Report date		09/27/2015 11:20						
Result Observation Name	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Date/Time of Analysis	Notes

Ampicillin [Susceptibility by Minimum inhibitory concentration (MIC)	< 0.06	ug/mL	S	F	09/23/2015 14:00	09/26/2015 11:00	
Gentamicin [Susceptibility by Minimum inhibitory concentration (MIC)	0.05	ug/mL	S	F	09/23/2015 14:00	09/26/2015 11:00	
Ciprofloxacin [Susceptibility by Minimum inhibitory concentration (MIC)	7] 0.05	ug/mL	S	F	09/23/2015 14:00	09/26/2015 11:00	

Order Observation

Ordering Provider

Element	Data
Name	Nicholas Radon
Identifier number	5742200012

Observation Details

Element	Data				
Observation General Information					
Placer Order Number					
Filler Order Number	R-783274-4				
Placer Group Number	GORD874255				
Parent Universal Service Identifier					
Identifier	625-4				
Text	Bacteria identified in Stool by Culture				
Alt Identifier	3456543				
Alt Text	CULTURE STOOL				
Original Text	Stool Culture				
Observation Details					
Universal Service Identifier	Bacteria susceptibility				
Observation Date/Time	09/23/2015 2:00 PM				
Observation end Date/Time					
Specimen Action Code	G				
Relevant Clinical Information					
Relevant Clinical Information Original Text					
Observation Result Information					
Result Status	C				
Results Report/Status Change - Date/Time	09/27/2015 4:35 PM				
Results Copy To					
Name	Pafford				
Identifier	10092000194				

Results Handling	
Standard	
Observation Notes	

Timing/Quantity Information—				
Element	Data			
Priority				
Start Date/time				
End Date/time				

Results Performing Laboratory

, v						
Data						
Century Hospital						
24D9871327						
2070 Test Park Los Angeles CA 90067						
Phil J. Knowsalot						
5432178916						

Lab results

Element			Data	Data					
Test performed			Bacteria sus	Bacteria susceptibility					
Test Report date			09/27/2015	16:35					
Result Observation Name	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Date/Time of Analysis	Notes	
Ampicillin [Susceptibility by Minimum inhibitory concentration (MIC)	< 32	ug/mL		R	С	09/23/2015 14:00	09/27/2015 11:20	During the repeat test the amoxicillin result indicated resistance, rather than falling into the indeterminat realm.	

 $MSH|^{\sim} \&|^{2.16.840.1.113883.3.72.5.20} |^{2.16.840.1.113883.3.72.5.21} |^{2.16.840.1.113883.3.72.5.21} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.21} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.113883.3.72.5.23} |^{2.16.840.1.1138} |^{2.16.840.1.1138} |^{2.16.840.1.1138} |^{2.16.840.1.1138} |^$

 $GU_FRN|D|2.5.1|||AL|AL|||||LRI_Common_Component^{2}.16.840.1.113883.9.16^{I}SO\sim LRI_GU_Component^{2}.16.840.1.113883.9.12^{I}SO\sim LRI_FRN_Component^{2}.16.840.1.113883.9.84^{I}SO$

ORC|RE|ORD723222-4^2.16.840.1.113883.3.72.5.24^ISO|R-783274-4^2.16.840.1.113883.3.72.5.25^ISO|GORD874255^2.16.840.1.
113883.3.72.5.24^ISO||||||||5742200012^Radon^Nicholas^^^^&2.16.840.1.113883.4.6&ISO^L^^NPI

 $OBX|1|CWE|625-4^Bacteria\ identified\ in\ Stool\ by\ Culture^LN^{^^2}.52^^Stool\ Culture|^1^1^ISIt-1|103429008^Enterohemorrhag\ ic\ Escherichia\ coli,\ serotype\ O157:H7^SCT^{^^2}.01509USEd^Shiga\ toxin\ producing\ E.\ coli\ O157:H7\ isolated|||A|||F|||201509\ 231400|||||201509251930||||Century\ Hospital^{^^3}.216.840.1.113883.4.7&ISO^XX^{^2}.24D9871327|2070\ Test\ Park^^Los\ Angeles^C\ A^90067^B|5432178916^Knowsalot^Phil^J.^{^3}.216.840.1.113883.4.6&ISO^L^{^3}.PI||||RSLT$

NTE[1] Susceptibility testing for E.coli is not performed, because antibiotics should not be used to treat this infect ion. There is no evidence that treatment with antibiotics is helpful, and taking antibiotics may increase the risk of he molytic-uremic syndrome (HUS). Antidiarrheal agents like Imodium may also increase that risk. Non-specific supportive th erapy, including hydration, is important.

 $OBX|2|CWE|625-4^Bacteria\ identified\ in\ Stool\ by\ Culture^LN^^^2.52^^Stool\ Culture|^2^1^Islt-2|398567006^Salmonella\ I,\ group\ O:4^SCT^^^201509USEd^Salmonella\ I,\ group\ O:4\ isolated|||A|||F|||201509231400|||||201509251930||||Century\ Hospital^^^&2.16.840.1.113883.4.7&ISO^XX^^224D9871327|2070\ Test\ Park^^Los\ Angeles^CA^90067^B|5432178916^Knowsalot^Phil^J.^^^^^&2.16.840.1.113883.4.6&ISO^L^^NPI||||RSLT$

NTE[1][Salmonella gastrointestinal infections usually resolve in 5-7 days and most do not require treatment other than oral fluids. Persons with severe diarrhea may require rehydration with intravenous fluids. Antibiotic therapy can prolon g the duration of excretion of non-typhoidal Salmonella and is recommended only for patients with severe illness (e.g., those with severe diarrhea, high fever, bloodstream infection, or who need hospitalization) or those at risk of severe d isease or complications, including young infants, older adults (over 65 years old) and immunocompromised persons. Antibi otic resistance is increasing among some Salmonella bacteria; therefore, susceptibility testing can help guide appropria te therapy. Choices for antibiotic therapy for severe infections include fluoroquinolones, third-generation cephalospori ns, and ampicillin (for susceptible infections).

 $OBX[3] CWE[625-4^Bacteria identified in Stool by Culture^LN^^^2.52^AStool Culture|^3^1^Islt-3|85729005^Shigella flexner i^SCT^^^201509USEd^Shigella flexner isolated |||A|||F|||201509231400|||||201509251930||||Century Hospital^^^^&2.16.84 0.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^B|5432178916^Knowsalot^Phil^J.^^^&2.16.840.1. \\ 113883.4.6&ISO^L^^NPI||||RSLT$

NTE|1||Antibiotic treatment is recommended for patients with severe disease, bloody diarrhea, or compromised immune sys tems. Resistance to traditional first-line drugs like ampicillin and trimethoprim-sulfamethoxazole is common, and resist ance to some other antibiotics is increasing. With this in mind, antibiotic susceptibility testing can help guide appropriate therapy. When an ampicillin- or trimethroprim-sulfamethoxazole-resistant strain is isolated, choices for therapy include fluoroquinolones, ceftriaxone, and azithromycin.

SPM|1|S-2015-66&&2.16.840.1.113883.3.72.5.24&ISO^S-9911-33&&2.16.840.1.113883.3.72.5.25&ISO||119339001^Stool specimen^S CT^^^201509USEd^Stool|||||||||||||201509231400

 $OBR|2||R-783274-4^{\circ}2.16.840.1.113883.3.72.5.25^{\circ}ISO|50545-3^{\circ}Bacterial susceptibility panel in Isolate by Minimum inhibit ory concentration (MIC)^{LN^{\circ}2.52^{\circ}Bacteria susceptibility}||201509231400||||G|||||5742200012^{Radon^{\circ}Nicholas^{\circ}42.16}.840.1.113883.4.6&ISO^{L^{\circ}NPI}||||||20150927112054|||F|625-4&Bacteria identified in Stool by Culture&LN&&&&2.52&&Stool Culture^&2&1&Islt-2||10092000194^{Hamlin^{\circ}Pafford^{\circ}42.16.840.1.113883.4.6&ISO^{L^{\circ}NPI}|ORD723222-4&&2.16.840.1.113883.3.7$

2.5.24&ISO^R-783274-4&&2.16.840.1.113883.3.72.5.25&ISO|||||||||||MIC^Observation of type microbiology^HL70411^^^^

 $2.5.1 \| CC^Copies\ Requested \\ ^+L70507 | 625-4^Bacteria\ identified\ in\ Stool\ by\ Culture \\ ^+LN^3456543^CULTURE\ STOOL^99USL^2.52^St\ ool\ Culture$

 $OBX[1|SN|28-1^Ampicillin~[Susceptibility]~by~Minimum~inhibitory~concentration~(MIC)^LN^^^2.52|^1^1^ISIt-2|<^0.06|ug/mL^0.0201400||||201509231400|||||201509261100||||Century~Hospital^^^^&2.16.840.1.113883.4.7&ISO^XX^^^224D9871327|\\ 2070~Test~Park^^Los~Angeles^CA^90067^AB|5432178916^Knowsalot^Phil^J.^^^^&2.16.840.1.113883.4.6&ISO^L^^^NPI||||RSLT|SUR^1||RSLT|SUR^2||RSLT||SUR^2||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT||RSLT$

 $OBX[2|SN|267-5^Gentamic in [Susceptibility] \ by \ Minimum \ inhibitory \ concentration (MIC)^LN^^^2.52|^1^1^1Slt-2|^0.05|ug/mL \\ ^^UCUM^^^1.9||S|||F|||201509231400|||||201509261100||||Century \ Hospital^^^^&2.16.840.1.113883.4.7&ISO^XX^^224D9871327| \\ 2070 \ Test \ Park^^Los \ Angeles^CA^90067^B|5432178916^Knowsalot^Phil^J.^^^^&2.16.840.1.113883.4.6&ISO^L^^^NPI||||RSLT|SUR \ Angeles^CA^90067^B|5432178916^Knowsalot^Phil^J.^^^^&2.16.840.1.113883.4.6&ISO^L^^NPI||||RSLT|SUR \ Angeles^CA^90067^B|5432178916^Knowsalot^Phil^J.^^^^A$

 $OBX[3]SN[185-9^{C}iprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)^{LN^{^2}.52}^{1^1^1}Ist-2]^{0.05}lug $$ /mL^{^UCUM^{^1}.9}[S][F][201509231400][[201509261100][[Century Hospital^{^^4}.42.16.840.1.113883.4.7&ISO^{XX^{^2}.24D98713} 27]2070 Test Park^{^L} Angeles^{CA^90067^{^1}.8}[5432178916^{K}nowsalot^{Phil^1}.^{^4}.42.16.840.1.113883.4.6&ISO^{L^{^4}.NPI}[[RSLT]S] UR$

ORC|RE||R-783274-4^2.16.840.1.113883.3.72.5.25^ISO|GORD874255^2.16.840.1.113883.3.72.5.24^ISO|||||||||5742200012^Radon ^Nicholas^^^^&2.16.840.1.113883.4.6&ISO^L^^^NPI||||||||||||||||625-4^Bacteria identified in Stool by Culture^LN^345 6543^CULTURE STOOL^99USL^2.52^Stool Culture

 $\label{eq:microbiology} $$\|MIC^Observation of type microbiology^HL70411^^^2.5.1 \|CC^Copies Requested^HL70507 | 625-4^Bacteria identified in Stool by Culture^LN^3456543^CULTURE STOOL^99USL^2.52^Stool Culture$

 $OBX[1|SN|28-1^Ampicillin [Susceptibility] \ by \ Minimum \ inhibitory \ concentration (MIC)^LN^^^2.52[^1^1^1Slt-3]<^32[ug/mL^^UCUM^^^1.9]|R|||C|||201509231400|||||201509271120||||Century \ Hospital^^^^&2.16.840.1.113883.4.7&ISO^XX^^24D9871327[2070] \ Test \ Park^^Los \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^^^^&2.16.840.1.113883.4.6&ISO^L^^NPI||||RSLT|SURAM \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^^^^&2.16.840.1.113883.4.6&ISO^L^^NPI||||RSLT|SURAM \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^^^^A] \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^^^A] \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^^A] \ Angeles^CA^90067^B[5432178916^Knowsalot^Phil^J.^A] \ Angeles^CA^90067^B[5432178916$

NTE[1]During the repeat test the amoxicillin result indicated resistance, rather than falling into the indeterminate realm.