

NIST HL7 V2 Validation Tool Test Data Electronic Directory Of Service (eDOS)

Version 1.0

13th March, 2015

eDOS Test Case EDOS_2.1_1.1-M08_NG

M08_Update_add

Test Story

Description

The originator of the eDOS is the Century Hospital Clinical Laboratory located at 2070 Test Park, Los Angeles, CA, 90067, CLIA: 24D9871327 , phone number: (310) 461-3666.

The Sender is the Century Hospital Clinical Laboratory LIS.

The Receiver is Dr. Radon's Office EHR.

The Laboratory Test Compendium from Century Hospital Clinical Laboratory is a subset of their Directory of Services. It based upon the most commonly ordered lab tests by Dr. Radon. This compendium is being used by Dr. Nicholas Radon's practice EHR to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital has made the following changes to their test compendium:

- Added a stool culture, colony count and antibiotic susceptibility tests.

Century Hospital's LIS transmits the appropriate eDOS update message with these changes to Dr. Radon's EHR.

Comments

Update changes for addition of new individual observations.

PreCondition

EDOS_1.0_1.1-M08_New
and
EDOS_1.0_2.1-M10_New
and
EDOS_1.0_3.1-M04_New
have been uploaded.

PostCondition

No Post-Conditions.

TestObjectives

- Demonstrate capability to support a M08 update message - action: addition
- Demonstrate capability to support repeating fields in OM1-31(Observations Required to Interpret the Observation), OM1-52(Replacement Producer's Service/Test/Observation ID), OM4-3(Container Description), OM4-4 (Container Volume), and OM4-5 (Container Units).
- Demonstrate capability to support repeating segments for OM4.

Notes to Testers

No Notes.

Message Content Data Sheet

Test Case Information

EDOS_2.1_1.1-M08-NG - M08_Update_add	
Test Case ID	EDOS_2.1_1.1-M08_NG

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	20130421113601-0700	System Generated
MSH.9	Message Type		
MSH.9.1	Message Code	MFN	IG Fixed Data
MSH.9.2	Trigger Event	M08	IG Fixed Data
MSH.9.3	Message Structure	MFN_M08	IG Fixed Data
MSH.10	Message Control ID	EDOS_2.1_1.1-M08-NG	System Generated
MSH.11	Processing ID		
MSH.11.1	Processing ID	T	Changeable Data
MSH.12	VersionID		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.15	Accept Acknowledgment Type	AL	Changeable Data
MSH.16	Application Acknowledgment Type	NE	Changeable Data
MSH.21[1]	Message Profile Identifier		
MSH.21[1].1	Entity Identifier	EDOS_Common_Component	Test Case Fixed Data
MSH.21[1].2	Namespace ID	EDOS Base Profile	Changeable Data
MSH.21[1].3	Universal ID	2.16.840.1.113883.9.67	Test Case Fixed Data
MSH.21[1].4	Universal ID Type	ISO	IG Fixed Data

MSH.21[2]	Message Profile Identifier		
MSH.21[2].1	Entity Identifier	EDOS_NG_Component	Test Case Fixed Data
MSH.21[2].2	Namespace ID	EDOS NG Profile	Changeable Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.69	Test Case Fixed Data
MSH.21[2].4	Universal ID Type	ISO	IG Fixed Data

MFI :

Location	Data Element	Data	Categorization
MFI.1	Master File Identifier		
MFI.1.1	Identifier	OMA	IG Fixed Data
MFI.1.2	Text	Numerical observation master file	Changeable Data
MFI.1.3	Name of Coding System	HL70175	IG Fixed Data
MFI.1.7	Coding System Version ID	2.5.1	Test Case Fixed Data
MFI.3	File-Level Event Code	UPD	Test Case Fixed Data
MFI.6	Response Level Code	NE	IG Fixed Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1101	Changeable Data
MFE.4.2	Text	Stool culture	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		

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OM1.2.1	Identifier	1101	Changeable Data
OM1.2.2	Text	Stool culture	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	Y	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	625-4	Test Case Fixed Data
OM1.7.2	Text	Bacteria identified in Stool by Culture	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Stool Culture	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling, delivery over 72 hours	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	625-4	Changeable Data
OM1.56[1].2	Text	Bacteria identified in Stool by Culture	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1101	Changeable Data
OM1.56[1].5	Alternate Text	Stool culture	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

OM3 :

Location	Data Element	Data	Categorization
OM3.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM3.4[1]	Normal Text/Codes for Categorical Observations		
OM3.4[1].1	Identifier	260385009	Test Case Fixed Data
OM3.4[1].2	Text	Negative (qualifier value)	Configurable Data
OM3.4[1].3	Name of Coding System	SCT	Test Case Fixed Data
OM3.4[1].7	Coding System Version ID	20130731	Changeable Data
OM3.5[1]	Abnormal Text/Codes for Categorical Observations		
OM3.5[1].1	Identifier	85729005	Test Case Fixed Data
OM3.5[1].2	Text	Shigella flexneri	Configurable Data
OM3.5[1].3	Name of Coding System	SCT	Test Case Fixed Data
OM3.5[1].7	Coding System Version ID	20130731	Changeable Data
OM3.5[2]	Abnormal Text/Codes for Categorical Observations		
OM3.5[2].1	Identifier	398567006	Test Case Fixed Data
OM3.5[2].2	Text	Salmonella I, group O:4	Configurable Data
OM3.5[2].3	Name of Coding System	SCT	Test Case Fixed Data
OM3.5[2].7	Coding System Version ID	20130731	Changeable Data
OM3.5[3]	Abnormal Text/Codes for Categorical Observations		
OM3.5[3].1	Identifier	103429008	Test Case Fixed Data
OM3.5[3].2	Text	Enterohemorrhagic Escherichia coli, serotype O157:H7	Configurable Data
OM3.5[3].3	Name of Coding System	SCT	Test Case Fixed Data
OM3.5[3].7	Coding System Version ID	20130731	Changeable Data
OM3.7	Value Type	CWE	Test Case Fixed Data

OM4 :

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	1.1	IG Fixed Data
OM4.3[1]	Container Description	Enteric Pathogen Transport System - Cary Blair	Changeable Data

OM4.4[1]	Container Volume	15.0	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	mililiter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.6	Specimen		
OM4.6.1	Identifier	119339001	Test Case Fixed Data
OM4.6.2	Text	Stool specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	20130131	Changeable Data
OM4.7	Additive		
OM4.7.1	Identifier	CARY	Changeable Data
OM4.7.2	Text	Cary Blair Medium	Changeable Data
OM4.7.3	Name of Coding System	HL70371	Changeable Data
OM4.10	Normal Collection Volume		
OM4.10.1	Quantity	10	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	mililiter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.10.2.7	Coding System Version ID	1.8	Changeable Data
OM4.11	Minimum Collection Volume		
OM4.11.1	Quantity	5	Changeable Data
OM4.11.2	Units		
OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	mililiter	Changeable Data
OM4.11.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.11.2.7	Coding System Version ID	1.8	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	REF	Changeable Data
OM4.15[1].2	Text	Refrigerated	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	IG Fixed Data
OM4.16	Specimen Preference	P	Test Case Fixed Data

OM4 :

Location	Data Element	Data	Categorization
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OM4.1	Sequence Number - Test/Observation Master File	1.2	IG Fixed Data
OM4.3[1]	Container Description	Enteric Pathogen Transport System - Para Pak C and S	Changeable Data
OM4.3[2]	Container Description	Enteric Pathogen Transport System - buffered glycerol saline	Changeable Data
OM4.4[1]	Container Volume	15.0	Changeable Data
OM4.4[2]	Container Volume	15.0	Changeable Data
OM4.5[1]	Container Units		
OM4.5[1].1	Identifier	mL	Changeable Data
OM4.5[1].2	Text	mililiter	Changeable Data
OM4.5[1].3	Name of Coding System	UCUM	Changeable Data
OM4.5[1].7	Coding System Version ID	1.8	Changeable Data
OM4.5[2]	Container Units		
OM4.5[2].1	Identifier	mL	Changeable Data
OM4.5[2].2	Text	mililiter	Changeable Data
OM4.5[2].3	Name of Coding System	UCUM	Changeable Data
OM4.5[2].7	Coding System Version ID	1.8	Changeable Data
OM4.6	Specimen		
OM4.6.1	Identifier	119339001	Test Case Fixed Data
OM4.6.2	Text	Stool specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	20130131	Changeable Data
OM4.10	Normal Collection Volume		
OM4.10.1	Quantity	10	Changeable Data
OM4.10.2	Units		
OM4.10.2.1	Identifier	mL	Changeable Data
OM4.10.2.2	Text	mililiter	Changeable Data
OM4.10.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.10.2.7	Coding System Version ID	1.8	Changeable Data
OM4.11	Minimum Collection Volume		
OM4.11.1	Quantity	5	Changeable Data
OM4.11.2	Units		
OM4.11.2.1	Identifier	mL	Changeable Data
OM4.11.2.2	Text	mililiter	Changeable Data
OM4.11.2.3	Name of Coding System	UCUM	IG Fixed Data
OM4.11.2.7	Coding System Version ID	1.8	Changeable Data
OM4.15[1]	Specimen Handling Code		
OM4.15[1].1	Identifier	REF	Changeable Data
OM4.15[1].2	Text	Refrigerated	Changeable Data
OM4.15[1].3	Name of Coding System	HL70376	IG Fixed Data

OM4.16	Specimen Preference	A	Test Case Fixed Data
OM4.17	Preferred Specimen/Attribute Sequence	1.1	Test Case Fixed Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1102	Changeable Data
MFE.4.2	Text	Colony Count	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	2	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1102	Changeable Data
OM1.2.2	Text	Colony Count	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	Y	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	564-5	Test Case Fixed Data
OM1.7.2	Text	COLONY COUNT	Changeable Data

OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Colony Count	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	564-5	Changeable Data
OM1.56[1].2	Text	COLONY COUNT	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1102	Changeable Data
OM1.56[1].5	Alternate Text	Colony Count	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1501	Changeable Data
MFE.4.2	Text	Ciprofloxacin	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	3	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1501	Changeable Data
OM1.2.2	Text	Ciprofloxacin	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	185-9	Test Case Fixed Data
OM1.7.2	Text	Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Ciprofloxacin MIC	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	185-9	Changeable Data
OM1.56[1].2	Text	Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data

OM1.56[1].4	Alternate Identifier	1501	Changeable Data
OM1.56[1].5	Alternate Text	Ciprofloxacin	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1502	Changeable Data
MFE.4.2	Text	Gentamicin	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	4	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1502	Changeable Data
OM1.2.2	Text	Gentamicin	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data

OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	267-5	Test Case Fixed Data
OM1.7.2	Text	Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Gentamicin MIC	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	267-5	Changeable Data
OM1.56[1].2	Text	Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1502	Changeable Data
OM1.56[1].5	Alternate Text	Gentamicin	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated

MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1503	Changeable Data
MFE.4.2	Text	Ampicillin	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	5	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1503	Changeable Data
OM1.2.2	Text	Ampicillin	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	28-1	Changeable Data
OM1.7.2	Text	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Ampicillin MIC	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data

OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	28-1	Changeable Data
OM1.56[1].2	Text	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1503	Changeable Data
OM1.56[1].5	Alternate Text	Ampicillin	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1504	Changeable Data
MFE.4.2	Text	Amoxicillin+Clavulanate	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	6	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1504	Changeable Data

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OM1.2.2	Text	Amoxicillin+Clavulanate	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	20-8	Test Case Fixed Data
OM1.7.2	Text	Amoxicillin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Amoxicillin+Clavulanate	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	20-8	Changeable Data
OM1.56[1].2	Text	Amoxicillin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1504	Changeable Data
OM1.56[1].5	Alternate Text	Amoxicillin+Clavulanate	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		

OM1.57[1].2.2	Text	day	Changeable Data
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MFE :

Location	Data Element	Data	Categorization
MFE.1	Record-Level Event Code	MAD	Test Case Fixed Data
MFE.3	Effective Date/Time		
MFE.3.1	Time	20131219145310	System Generated
MFE.4	Primary Key Value - MFE		
MFE.4.1	Identifier	1505	Changeable Data
MFE.4.2	Text	Trimethoprim-sulfamethoxazole	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1 :

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	7	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1505	Changeable Data
OM1.2.2	Text	Trimethoprim-sulfamethoxazole	Changeable Data
OM1.2.3	Name of Coding System	99USI	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USI	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	516-5	Test Case Fixed Data
OM1.7.2	Text	Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data

OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Trimethoprim-sulfamethoxazole MIC	Changeable Data
OM1.12	Orderability	N	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	IG Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling	Changeable Data
OM1.40[1]	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56[1]	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56[1].1	Identifier	516-5	Changeable Data
OM1.56[1].2	Text	Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56[1].3	Name of Coding System	LN	Test Case Fixed Data
OM1.56[1].4	Alternate Identifier	1505	Changeable Data
OM1.56[1].5	Alternate Text	Trimethoprim-sulfamethoxazole	Changeable Data
OM1.56[1].6	Name of Alternate Coding System	99USI	Changeable Data
OM1.57[1]	Expected Turn-Around Time		
OM1.57[1].1	Quantity	3	Changeable Data
OM1.57[1].2	Units		
OM1.57[1].2.2	Text	day	Changeable Data

Test Data Specification

Master File Identification

Element name	Data
File-Level Event Code	Change file records as defined in the record-level event codes for each record that follows

Test information [1]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Stool culture

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Bacteria identified in Stool by Culture
Preferred Report Name for the Observation	Stool Culture
Orderability	Yes
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling, delivery over 72 hours
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Bacteria identified in Stool by Culture
Expected Turn-Around Time	3 day

Categorical Service/Test/Observation Segment

Element name	Data
Sequence Number - Test/Observation Master File	1
Normal Text/Codes for Categorical Observations [1]	Negative (qualifier value)
Abnormal Text/Codes for Categorical Observations [1]	Shigella flexneri
Abnormal Text/Codes for Categorical Observations [2]	Salmonella I, group O:4

Abnormal Text/Codes for Categorical Observations [3]	Enterohemorrhagic Escherichia coli, serotype O157:H7
Value Type	Coded Entry

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	1.1
Container Description	Enteric Pathogen Transport System - Cary Blair
Container Volume	15.0
Container Units	mililiter
Specimen	Stool specimen
Additive	Cary Blair Medium
Normal Collection Volume	10 mililiter
Minimum Collection Volume	5 mililiter
Specimen Handling Code	Refrigerated
Specimen Preference	Preferred

Observations that Require Specimens

Element name	Data
Sequence Number - Test/Observation Master File	1.2
Container Description	Enteric Pathogen Transport System - Para Pak C and S
Container Description	Enteric Pathogen Transport System - buffered glycerol saline
Container Volume	15.0
Container Volume	15.0
Container Units	mililiter
Container Units	mililiter
Specimen	Stool specimen
Normal Collection Volume	10 mililiter
Minimum Collection Volume	5 mililiter
Specimen Handling Code	Refrigerated
Specimen Preference	Alternate
Preferred Specimen/Attribute Sequence ID	1.1

Test information [2]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Colony Count

General Segment

Element name	Data
Specimen Required	Yes
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	COLONY COUNT
Preferred Report Name for the Observation	Colony Count
Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	COLONY COUNT
Expected Turn-Around Time	3 day

Test information [3]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Ciprofloxacin

General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)
Preferred Report Name for the Observation	Ciprofloxacin MIC
Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)
Expected Turn-Around Time	3 day

Test information [4]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Gentamicin

General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)
Preferred Report Name for the Observation	Gentamicin MIC
Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)
Expected Turn-Around Time	3 day

Test information [5]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Ampicillin

General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)
Preferred Report Name for the Observation	Ampicillin MIC

Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)
Expected Turn-Around Time	3 day

Test information [6]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Amoxicillin+Clavulanate

General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Amoxicillin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)
Preferred Report Name for the Observation	Amoxicillin+Clavulanate
Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Amoxicillin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)
Expected Turn-Around Time	3 day

Test information [7]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm

Primary Key Value - MFE	Trimethoprim-sulfamethoxazole
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General Segment

Element name	Data
Specimen Required	No
Producer ID	Century Hospital Clinical Laboratory
Other Service/Test/Observation IDs for the Observation	Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)
Preferred Report Name for the Observation	Trimethoprim-sulfamethoxazole MIC
Orderability	No
Nature of Service/Test/Observation	A
Factors that may Affect the Observation	Insufficient specimen, Improper labeling
Service/Test/Observation Performance Schedule	Monday through Friday
Exclusive Test	This test can be included with any number of other tests
Diagnostic Service Sector ID	Laboratory
Observation Identifier	Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)
Expected Turn-Around Time	3 day

HL7 Message

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M08^MFN_M08|EDOS_2.1_1.1-M08-NG|T|2.5.1||AL|NE||||EDOS_Common_Component^EDOS Base Profile^2.16.840.1.113883.9.67^ISO~EDOS_NG_Component^EDOS NG Profile^2.16.840.1.113883.9.69^ISO

MFI|OMA^Numerical observation master file^HL70175^^^^2.5.1||UPD||||NE

MFE|MAD||20131219145310|1101^Stool culture^99USI^^^^20130421|CWE

OM1|1|1101^Stool culture^99USI^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||625-4^Bacteria identified in Stool by Culture^LN||Stool Culture||Y||||A|||||||Insufficient specimen, Improper labeling, delivery over 72 hours|Monday through Friday||||N|LAB|||||625-4^Bacteria identified in Stool by Culture^LN^1101^Stool culture^99USI|3^&day

OM3|1||260385009^Negative (qualifier value)^SCT^^^^20130731|85729005^Shigella flexneri^SCT^^^^20130731~398567006^Salmonella I, group O:4^SCT^^^^20130731~103429008^Enterohemorrhagic Escherichia coli, serotype O157:H7^SCT^^^^20130731||CWE

OM4|1.1||Enteric Pathogen Transport System - Cary Blair|15.0|mL^mililiter^UCUM^^^^1.8|119339001^Stool specimen^SCT^^^^20130131|CARY^Cary Blair
Medium^HL70371||10^mL&mililiter&UCUM&&&&1.8|5^mL&mililiter&UCUM&&&&1.8|||REF^Refrigerated^HL70376|P

OM4|1.2||Enteric Pathogen Transport System - Para Pak C and S~Enteric Pathogen Transport System - buffered glycerol saline|15.0~15.0|mL^mililiter^UCUM^^^^1.8~mL^mililiter^UCUM^^^^1.8|119339001^Stool specimen^SCT^^^^20130131||10^mL&mililiter&UCUM&&&&1.8|5^mL&mililiter&UCUM&&&&1.8|||REF^Refrigerated^HL70376|A|1.1

MFE|MAD||20131219145310|1102^Colony Count^99USI^^^^20130421|CWE

OM1|2|1102^Colony Count^99USI^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||564-5^COLONY COUNT^LN||Colony Count||N||||A|||||||Insufficient specimen, Improper labeling|Monday through Friday||||N|LAB|||||564-5^COLONY COUNT^LN^1102^Colony Count^99USI|3^&day

MFE|MAD||20131219145310|1501^Ciprofloxacin^99USI^^^^20130421|CWE

OM1|3|1501^Ciprofloxacin^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||185-9^Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Ciprofloxacin MIC||N||||A|||||||Insufficient specimen, Improper labeling|Monday through Friday||||N|LAB|||||185-9^Ciprofloxacin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1501^Ciprofloxacin^99USI|3^&day

MFE|MAD||20131219145310|1502^Gentamicin^99USI^^^^20130421|CWE

OM1|4|1502^Gentamicin^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||267-5^Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Gentamicin MIC||N||||A|||||||Insufficient specimen, Improper labeling|Monday through Friday||||N|LAB|||||267-5^Gentamicin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1502^Gentamicin^99USI|3^&day

MFE|MAD||20131219145310|1503^Ampicillin^99USI^^^^20130421|CWE

OM1|5|1503^Ampicillin^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||28-1^Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Ampicillin MIC||N||||A|||||||Insufficient specimen, Improper labeling|Monday through Friday||||N|LAB|||||28-1^Ampicillin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1503^Ampicillin^99USI|3^&day

MFE|MAD||20131219145310|1504^Amoxicillin+Clavulanate^99USI^^^^20130421|CWE

OM1|6|1504^Amoxicillin+Clavulanate^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^2013||
 20-8^Amoxicillin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Amoxicillin+Clavulanate||N|
 ||||A||||||Insufficient specimen, Improper labeling|Monday through Friday||||N|LAB|||||20-8^Amoxic
 illin+Clavulanate [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1504^Amoxicillin+Clavulanate^99USI|3^&da
 y

MFE|MAD||20131219145310|1505^Trimethoprim-sulfamethoxazole^99USI^^^^20130421|CWE

OM1|7|1505^Trimethoprim-sulfamethoxazole^99USI^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USI^^^^
 2013||516-5^Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Trimethoprim-su
 lfamethoxazole MIC||N||||A||||||Insufficient specimen, Improper labeling|Monday through Friday||||
 N|LAB|||||516-5^Trimethoprim+Sulfamethoxazole [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1505^Trime
 thoprim-sulfamethoxazole^99USI|3^&day