

eDM Lite HL7 Export Format

Overview

The eDM Lite software has the ability to export epoc® test records to an HL7 formatted text file stored in a designated folder. These files are properly formatted HL7 (version 2.6) observation reporting messages that can be read and processed by a third-party application, such as an interface engine, designed to communicate with Laboratory or Hospital Information Systems (LIS/HIS).

Enabling eDM Lite Software to Export Results

eDM Lite software can be configured to manually or automatically export test results in the **Export results** page located in **Settings** (Fig. 1).

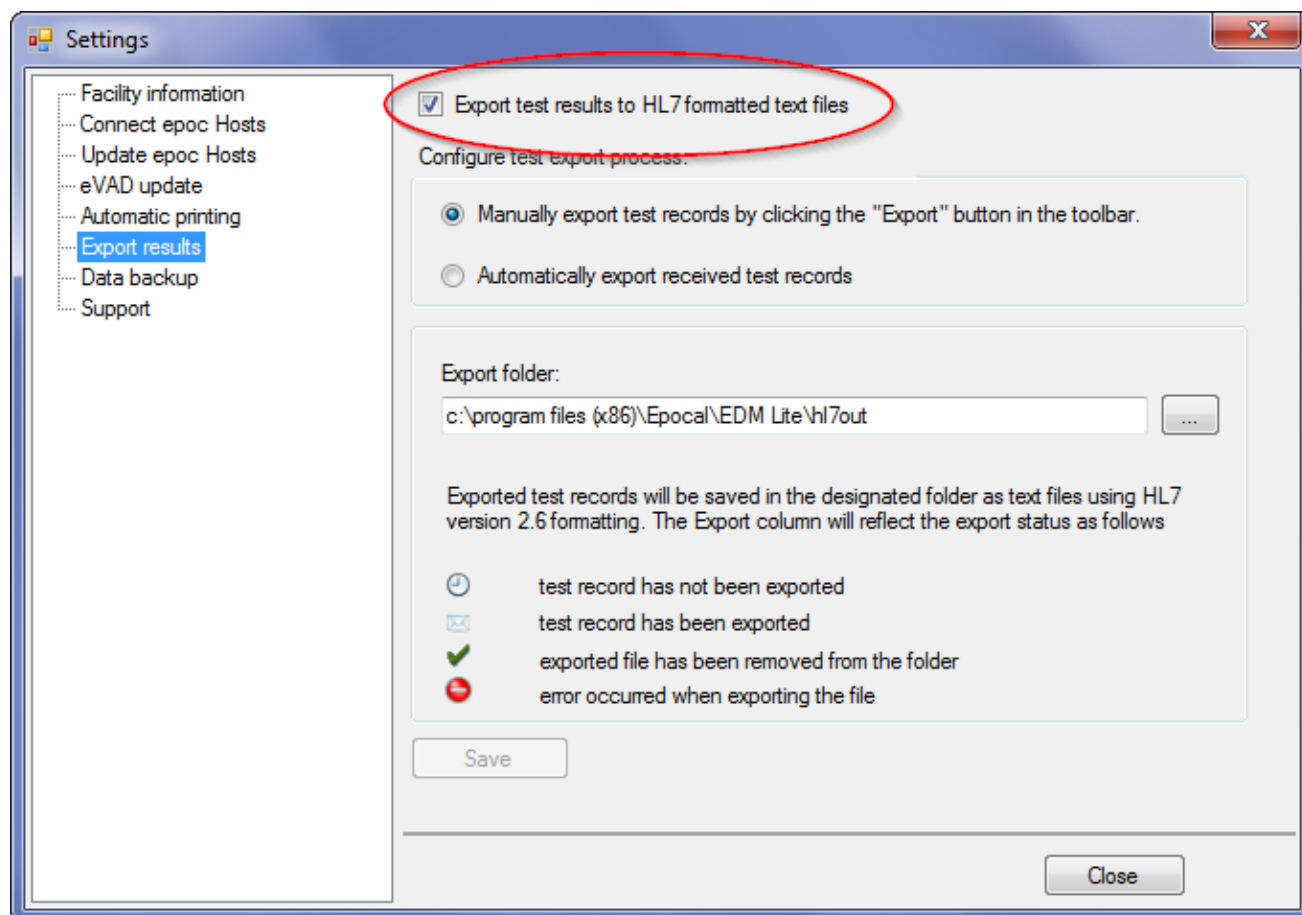


Fig. 1.

Note: Please refer to the eDM Lite User Guide for information about configuring eDM Lite software.

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HL7 File format

HL7 files will be saved in the “**Export folder**” defined in the eDM Lite software **Export results** Settings.

- Each HL7 text file will contain one test record.
- Test records that are exported multiple times will overwrite an existing file.
- eDM Lite software will mark each exported test as “processed” when the corresponding HL7 file is deleted or moved from the Export folder.
- HL7 File naming convention:

Patient tests: **Patient_[yyyyMMdd_HH:mm:ss]_[internalID].hl7**

QA tests: **QA_[yyyyMMdd_HH:mm:ss]_[internalID].hl7**

where:

[yyyyMMdd_HH:mm:ss] is the date and time of test

[InternalID] is a 7-digit unique internal identifier

Result Messages – Processing Diagram

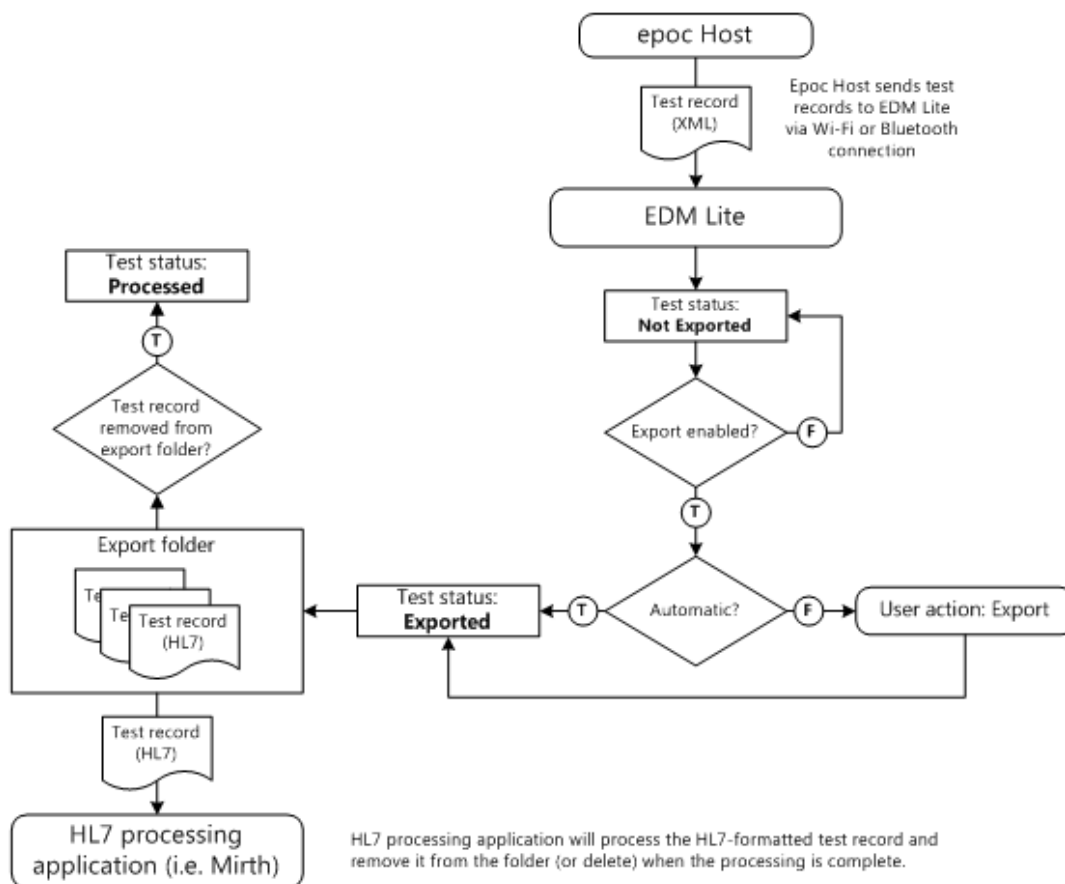


Fig. 2.

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Result Messages – Unsolicited Observation Message Structure

Test results are sent using ORU messages based on the standard structure as defined in the HL7 Specification version 2.6. The basic ORU message structure is as follows:

MSH – Message Header Segment
PID – Patient Identification Segment
OBR – Observation Request Segment
[{OBX}] – Observation/Result Segments

MSH – Message Header Segment

Field	Description	Format	Value(s)
MSH.1	Field Separator	[text]	
MSH.2	Encoding Characters	[text]	^^\&
MSH.3	Sending Application	[text]	epoc
MSH.4	Sending Facility	[text]	Epocal
MSH.5	Receiving Application	[text]	LAB
MSH.6	Receiving Facility	[text]	LAB
MSH.7	Date/Time of Message	[yyyymmddHHmmss]	Message Date/Time
MSH.8	Security	<not used>	<not used>
MSH.9	Message Type^Trigger Event	[text]	ORU^R01
MSH.10	Message Control ID	[unique ID]	Unique message identifier ¹
MSH.11	Processing ID	[text]	P
MSH.12	Version ID	[text]	2.6
MSH.13	Sequence Number	<not used>	<not used>
MSH.14	Continuation pointer	<not used>	<not used>
MSH.15	Accept acknowledgement type	[text]	AL
MSH.16	Application acknowledgement type	[text]	NE
MSH.17	Country Code	<not used>	<not used>
:	:	:	:
MSH.25	Receiving Network Address	<not used>	<not used>

PID - Patient Identification Segment

Field	Description	Format	Value(s)
PID.1	Set ID – PID	[number]	1
PID.2	Patient ID	<not used>	<not used>
PID.3	Patient Identifier List	[text]	[patient ID] – as entered in the epoc Host
PID.4	Alternate Patient ID – PID	[text]	[ID2] – as entered in the epoc Host
PID.5	Patient Name	<not used>	<not used>
PID.6	Mother's Maiden Name	<not used>	<not used>
PID.7	Date/Time of Birth	<not used>	<not used>

¹ The unique message identifier is created by concatenating test timestamp and epoc Reader serial number

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Field	Description	Format	Value(s)
PID.8	Administrative Sex	<not used>	<not used>
PID.9	Patient Alias	<not used>	<not used>
:	:	:	:
PID.17	Religion	<not used>	<not used>
PID.18	Patient Account Number	<not used>	<not used>
PID.19	SSN Number - Patient	<not used>	<not used>
:	:	:	:
PID.39	Tribal Citizenship	<not used>	<not used>

OBR – Observation Request Segment

Field	Description	Format	Value(s)
OBR.1	Set ID – OBR	[number]	1
OBR.2	Placer Order Number	[text]	<not used>
OBR.3	Filler Order Number	[text]	<not used>
OBR.4.1	Universal Service ID – Identifier	[text]	BGEM
OBR.4.2	Universal Service ID – Text	[text]	BGEM Test Card
OBR.5	Priority	<not used>	<not used>
OBR.6	Requested Date/Time	<not used>	<not used>
OBR.7	Observation Date/Time	[yyyyMMddHHmmss]	[test date/time]
OBR.8	Observation End Date/Time	<not used>	<not used>
:	:	:	:
OBR.13	Relevant Clinical Information	<not used>	<not used>
OBR.14	Specimen Received Date	[yyyyMMddHHmmss]	[test date/time]
OBR.15.1	Specimen Source	[text]	Sample Type as selected by the user QA – Quality control test
OBR.15.2	Control lot (QA tests only)	[text]	<lot #> for QA tests only
OBR.15.3	Control level (QA tests only)	[text]	<level> for QA tests only
OBR.16	Ordering Provider	<not used>	<not used>
:	:	:	:
OBR.33	Assistant Result Interpreter	<not used>	<not used>
OBR.34	Technician	[text]	[operator ID]
OBR.35	Transcriptionist	<not used>	<not used>
:	:	:	:
OBR.50	Parent Universal Service Identifier	<not used>	<not used>

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OBX – Observation/Result Segment

Field	Description	Format	Value(s)
OBX.1	Set ID – OBX	[number]	[incremental value starting at 1]
OBX.2	Value Type	[text]	ST – String Data NM – Numeric
OBX.3	Observation Identifier	[text]	See table OBX-1 and OBX-2
OBX.4	Observation Sub-ID	<not used>	<not used>
OBX.5	Observation Value	[number] if NM Value Type [text] if ST Value Type	Value associated with OBX.3 NOTE: The value can report as: ±#.## Numeric result < ±#.## Result below instrument range. > ±#.## Result above instrument range. Failed iQC Sensor failed quality check. cnc Result could not be calculated.
OBX.6	Units	[text]	See table OBX-1 through OBX 3
OBX.7	Reference Ranges	[text]	[reference low]-[reference high]
OBX.8	Abnormal Flags	[text]	OBX.8 L Above high normal H Below lower critical limit LL Above upper critical limit HH Below absolute low-off instrument scale < Above absolute high-off instrument scale >
OBX.9	Probability	<not used>	<not used>
OBX.10	Nature of Abnormal Test	<not used>	<not used>
OBX.11	Observation Result Status	[text]	F
OBX.12	Effective Date of Reference Range	<not used>	<not used>
OBX.13	User Defined Access Checks	<not used>	<not used>
OBX.14	Observation Date/Time	[yyyymmddhhmmss]	[test date/time]
OBX.15 : OBX.17	Producer's ID : Observation Method	<not used> : <not used>	<not used> : <not used>
OBX.18	Equipment Instance Identifier	^^[text]	^^<Host SerialNum>~<Reader Serial Num>
OBX.19 : OBX.25	Date/Time of the Analysis : Performing Organization Medical Director	<not used> : <not used>	<not used> : <not used>

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Table OBX-1: Test Codes for test results.²

Test Code	Type	Description	Units	Value format
pH	Measured	pH	<no units>	#.###
pCO2	Measured	pCO ₂	mmHg kPa	## ###
pO2	Measured	pO ₂	mmHg kPa	## ###
pH(T)	Measured, Corrected	pH corrected for Patient Temperature	<no units>	#.###
pCO2(T)	Measured, Corrected	pCO ₂ corrected for Patient Temperature	mmHg kPa	## ###
pO2(T)	Measured, Corrected	pO ₂ corrected for Patient Temperature	mmHg kPa	## ###
HCO3-act	Calculated	Bicarbonate (HCO ₃ ⁻)	mmol/L mEq/L	## ##
BE(ecf)	Calculated	Base Excess (extra-cellular fluid)	mmol/L mEq/L	±#.## ±#.##
BE(b)	Calculated	Base Excess (blood)	mmol/L mEq/L	±#.## ±#.##
O2SAT	Calculated	Oxygen Saturation (cSO ₂)	%	##
TCO2	Measured	Total Carbon Dioxide (TCO ₂)	mmol/L mEq/L	## ##
cTCO2	Calculated	Calculated Total Carbon Dioxide (cTCO ₂)	mmol/L mEq/L	## ##
BUN	Measured	Blood Urea Nitrogen	mg/dL	#
Urea	Measured	Urea	mmol/L mg/dL g/L	## # ###
BUN/Crea	Calculated	BUN to Creatinine Ratio	mg/mg	##
Urea/Crea	Calculated	Urea to Creatinine Ratio	mmol/mmol mg/mg	## ##
Na+	Measured	Sodium	mmol/L mEq/L	# #
K+	Measured	Potassium	mmol/L mEq/L	## ##
Ca++	Measured	Ionized Calcium	mmol/L mg/dL mEq/L	### ## ##
Glu	Measured	Glucose	mmol/L mg/dL g/L	## # ###

² Only available test results will be included.

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Test Code	Type	Description	Units	Value format
Lac	Measured	Lactate	mmol/L mg/dL g/L	### ## ###
Hct	Measured	Hematocrit	%PCV L/L	# ###
cHgb	Calculated	Hemoglobin	mmol/L g/dL g/L	## ## #
Cl-	Measured	Chloride	mmol/L mEq/L	# #
Crea	Measured	Creatinine	mg/dL μmol/L	### ###
AGap	Calculated	Anion Gap	mmol/L mEq/L	# #
AGapK	Calculated	Anion Gap with Potassium	mmol/L mEq/L	# #
eGFR	Calculated	Estimated Glomerular Filtration Rate (Japanese equation)	mL/m/1.73m ²	#
GFRmdr	Calculated	Estimated Glomerular Filtration Rate (IDMS-traceable MDRD type) (Displayed as GFRmdr)	mL/m/1.73m ²	#
GFRmdr-a	Calculated	Estimated Glomerular Filtration Rate (IDMS-traceable MDRD type), if African American (Displayed as GFRmdr-a)	mL/m/1.73m ²	#
GFRckd	Calculated	Estimated Glomerular Filtration Rate (CKD-EPI equation)	mL/m/1.73m ²	#
GFRckd-a	Calculated	Estimated Glomerular Filtration Rate (CKD-EPI equation), if African American	mL/m/1.73m ²	#
GFRswz	Calculated	Estimated Glomerular Filtration Rate (Bedside Schwartz equation)	mL/m/1.73m ²	#
A		Alveolar Oxygen (pO ₂ (A))	mmHg kPa	## ###
A-a		Arterial Alveolar Oxygen Tension Gradient (pO ₂ (A-a))	mmHg kPa	## ###
a/A		Arterial Alveolar Oxygen Tension Ratio (pO ₂ (a/A))	% Fraction	## ##
A(T)		A corrected for Patient Temperature (pO ₂ (A))	mmHg kPa	## ###
A-a (T)		A-a corrected for Patient Temperature (pO ₂ (A-a (T)))	mmHg kPa	## ###
a/A(T)		a/A corrected for Patient Temperature (pO ₂ (a/A (T)))	% Fraction	## ####

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Table OBX-2: Test codes for optional user entered test attributes.

Test Code	Description	Units	Value(s)
Patient temperature	Patient temperature as entered by the operator	F, C	[number]
Hemodilution	Hemodilution correction factor applied.	<empty>	Yes No
Sample type	Sample type as chosen by the operator	<empty>	Arterial Capillary Cord Cord-Arterial Cord-Venous Mixed-Venous Venous Unknown Unspecified
Draw site	Draw site as chosen or entered by the operator.	<empty>	[text]
Allen's test	Allen's test as chosen by the operator.	<empty>	Positive Negative N/A Not Entered
Delivery system	Airway delivery system as chosen or entered by the operator.	<empty>	[text]
Mode	Ventilator mode as chosen or entered by the operator.	<empty>	[text]
FiO2	Fractional Inspired Oxygen as entered by the operator	LMP, %	[number]
Vt	Tidal Volume	<empty>	[number]
RR	Respiratory Rate	<empty>	[number]
TR	Total Rate	<empty>	[number]
PEEP	Positive End Expiratory Pressure	<empty>	[number]
PS	Pressure Support	<empty>	[number]
IT	Inspiratory Time	<empty>	[number]
ET	Expiratory Time	<empty>	[number]
PIP	Peak Inspiratory Pressure	<empty>	[number]
MAP	Mean Airway Pressure	<empty>	[number]
RQ	Respiratory Quotient	<empty>	[number]
Comments	Free text comment	<empty>	[text]
Criticals present	Indicates whether or not critical results are present in the record	<empty>	Yes No

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Test Code	Description	Units	Value(s)
Critical action	Critical action taken if critical results are present	<empty>	Notify physician Notify RN Repeated Test Sent to Lab Expected values Other
Critical notify	Information regarding who was notified of critical results	<empty>	[text]
Read back	Indicates whether or not critical results were read back	<empty>	Yes No
Notify date	Critical value notification date and time	<empty>	[yyyyMMddHHmmss]
Ordering physician	Ordering physician entered by user	<empty>	[text]
Order time	Order time entered by user	<empty>	[dd-MMM-yy HH:mm:ss]
Collected by	Sample collected by entered by the user	<empty>	[text]
Collection time	Collection time entered by user	<empty>	[dd-MMM-yy HH:mm:ss]
Reject test	Indicates whether or not the user intended to reject the test record	<empty>	Yes No
Patient location	Patient location field entered by user	<empty>	[text]
Patient age	Patient Age entered by user (x years)	<empty>	[text]
Patient height	Patient Height selected by user.	<empty>	[number] cm [number] inches
Patient gender	Patient Gender selected by user.	<empty>	Male Female Not entered
LookupGender	Patient Gender as received by real-time Positive Patient ID Lookup (if enabled).	<number>	0 - Male 1 - Female 2 - Unknown

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Table OBX-3: Test codes for non-user related test attributes.

Test Code	Description	Units	Value(s)
Ambient Temperature	Instrument measured ambient temperature.	C	[number]
Ambient Pressure	Instrument measured ambient pressure.	mmHg	[number]
EDM Test status	Test status field.	<empty>	Success Incomplete iQC
Card Lot	Card lot number	<empty>	[text]
Card Expiration Date	Card expiration date	<empty>	[yyyyMMdd]
ReaderSerNum	epoc Reader serial number	<empty>	[text]
HostSerNum	epoc Host serial number	<empty>	[text]
Error Text	Error information about incomplete tests	<empty>	[text]
Host Alias	epoc Host name	<empty>	[text]
Reader Alias	epoc Reader name	<empty>	[text]
Department name	Department name assigned to the epoc Host at the time of the test.	<empty>	[text]
ReaderMaintenanceRequired	For internal use	<empty>	Yes No
Bubble width	For internal use	<empty>	[number]
EnforceCriticalHandling	For internal use	<empty>	Yes No
Host Mode	For internal use	<empty>	[number]
eQC time	Date and time of the last successful Electronic QC test.	<empty>	[dd-MMM-yy HH:mm:ss]
Test duration	For internal use	<empty>	[number]
Host SW Version	epoc Host Software version	<empty>	[text]

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Appendix A: Sample Messages

ORU Message Sample 1 – Patient Test

```
MSH|^~\&|epoc|Epocal|LAB|LAB|20130213163306||ORU^R01|2013021313464203444|P|2.6|||AL|NE|||||||
PID|1||eqc1|||||||||||||||||||||||||||||||||
OBR|1||BGEM^BGEM Test Card||20130213134642|||20130213134642|Blood||||||||||||||||||canna|||
|
OBX|1|NM|BE(b)||-11.2|mmol/L|-30.0-30.0|||F||20130213134642|||^^03444-005BB00|||
OBX|3|NM|Ca++||1.03|mmol/L|0.25-4.00|||F||20130213134642|||^^03444-005BB00|||
OBX|4|NM|Glu||4.1|mmol/L|1.1-38.5|||F||20130213134642|||^^03444-005BB00|||
OBX|5|NM|HCO3-act||11.7|mmol/L|1.0-85.0|||F||20130213134642|||^^03444-005BB00|||
OBX|6|ST|Hct||< 10%|10-75|L|||F||20130213134642|||^^03444-005BB00|||
OBX|7|NM|K+||3.8|mmol/L|1.5-12.0|||F||20130213134642|||^^03444-005BB00|||
OBX|8|NM|Lact||2.33|mmol/L|0.30-20.00|||F||20130213134642|||^^03444-005BB00|||
OBX|9|NM|Na+||135|mmol/L|85-180|||F||20130213134642|||^^03444-005BB00|||
OBX|10|NM|O2SAT||99.9%|0.0-100.0|||F||20130213134642|||^^03444-005BB00|||
OBX|11|ST|cHgb|cnc|g/dL|3.3-25.0|||F||20130213134642|||^^03444-005BB00|||
OBX|12|NM|cTCO2||12.0|mmol/L|1.0-85.0|||F||20130213134642|||^^03444-005BB00|||
OBX|13|NM|pCO2||7.5|mmHg|5.0-250.0|||F||20130213134642|||^^03444-005BB00|||
OBX|14|NM|pH||7.802|6.500-8.000|||F||20130213134642|||^^03444-005BB00|||
OBX|15|NM|pO2||174.8|mmHg|5.0-750.0|||F||20130213134642|||^^03444-005BB00|||
OBX|16|NM|Patient temperature|||F||20130213134642|||^^03444-005BB00|||
OBX|17|ST|Hemodilution|No|||F||20130213134642|||^^03444-005BB00|||
OBX|18|ST|Sample type|Unspecified|||F||20130213134642|||^^03444-005BB00|||
OBX|19|ST|Draw site|||F||20130213134642|||^^03444-005BB00|||
OBX|20|ST|Allen's test|||F||20130213134642|||^^03444-005BB00|||
OBX|21|ST|Delivery system|||F||20130213134642|||^^03444-005BB00|||
OBX|22|ST|Model|||F||20130213134642|||^^03444-005BB00|||
OBX|23|NM|FiO2|||F||20130213134642|||^^03444-005BB00|||
OBX|24|NM|Vt|||F||20130213134642|||^^03444-005BB00|||
OBX|25|NM|RR|||F||20130213134642|||^^03444-005BB00|||
OBX|26|NM|TR|||F||20130213134642|||^^03444-005BB00|||
OBX|27|NM|PEEP|||F||20130213134642|||^^03444-005BB00|||
OBX|28|NM|PS|||F||20130213134642|||^^03444-005BB00|||
OBX|29|NM|IT|||F||20130213134642|||^^03444-005BB00|||
OBX|30|NM|ET|||F||20130213134642|||^^03444-005BB00|||
OBX|31|NM|PIP|||F||20130213134642|||^^03444-005BB00|||
OBX|32|NM|MAP|||F||20130213134642|||^^03444-005BB00|||
OBX|33|NM|RQ|||F||20130213134642|||^^01367-11039521400516|||
OBX|34|ST|Comments|||F||20130213134642|||^^03444-005BB00|||
OBX|35|ST|Criticals present|No|||F||20130213134642|||^^03444-005BB00|||
OBX|36|ST|Critical action|||F||20130213134642|||^^03444-005BB00|||
OBX|37|ST|Critical notify|||F||20130213134642|||^^03444-005BB00|||
OBX|38|ST|Read back|||F||20130213134642|||^^03444-005BB00|||
OBX|39|ST|Notify date|||F||20130213134642|||^^03444-005BB00|||
OBX|40|ST|Ordering physician|||F||20130213134642|||^^03444-005BB00|||
OBX|41|ST|Order time|||F||20130213134642|||^^03444-005BB00|||
OBX|42|ST|Collected by|||F||20130213134642|||^^03444-005BB00|||
OBX|43|ST|Collection time|||F||20130213134642|||^^03444-005BB00|||
OBX|44|ST|Reject test|||F||20130213134642|||^^03444-005BB00|||
OBX|45|ST|Patient location|||F||20130213134642|||^^03444-005BB00|||
OBX|46|ST|Patient age|||F||20130213134642|||^^03444-005BB00|||
OBX|47|ST|Patient gender|||F||20130213134642|||^^03444-005BB00|||
OBX|48|NM|Ambient Temperature||79.0|F|||F||20130213134642|||^^03444-005BB00|||
OBX|49|NM|Ambient Pressure||752.4|mmHg|||F||20130213134642|||^^03444-005BB00|||
OBX|50|ST|EDM Test status|OK|||F||20130213134642|||^^03444-005BB00|||
OBX|51|ST|Card Lot||07-13017-11|||F||20130213134642|||^^03444-005BB00|||
OBX|52|ST|Card Expiration Date||04-Jul-2013|||F||20130213134642|||^^03444-005BB00|||
OBX|53|ST|ReaderSerNum||03444|||F||20130213134642|||^^03444-005BB00|||
OBX|54|ST|HostSerNum||005BB00|||F||20130213134642|||^^03444-005BB00|||
OBX|55|ST|Error Text|||F||20130213134642|||^^03444-005BB00|||
OBX|56|ST|HostAlias||005BB00|||F||20130213134642|||^^03444-005BB00|||
OBX|57|ST|Reader Alias||Neil3444|||F||20130213134642|||^^03444-005BB00|||
OBX|58|ST|Department name|||F||20130213134642|||^^03444-005BB00|||
OBX|59|ST|ReaderMaintenanceRequired|No|||F||20130213134642|||^^03444-005BB00|||
OBX|59|NM|Bubble width||0.25|||F||20130213134642|||^^03444-005BB00|||
OBX|60|ST|EnforceCriticalHandling|Yes|||F||20130213134642|||^^03444-005BB00|||
OBX|61|ST|Host Mode||1|||F||20130213134642|||^^03444-005BB00|||
OBX|62|ST|eQC time||13-Feb-2013 13:42:34|||F||20130213134642|||^^03444-005BB00|||
OBX|63|NM|Test duration||226.4|||F||20130213134642|||^^03444-005BB00|||
```

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OBX|64|ST|Host SW Version||3.22.4|||||F|||20130213134642|||^03444-005BB00|||||

ORU Message Sample 2 – QA Test

```
MSH|^~\&|epoc|Epocal|LAB|LAB|20130213163830||ORU^R01|2013021314000901217|P|2.6||AL|NE|||||
PID|1||qalot|||||||||||||||||||||||||||||
OBR|1||BGEM^BGEM Test Card||20130213140009|||||20130213140009|QA^qalot|||||||||
|||both|||||||||
OBX|1|NM|BE(b)||-15.8|mmol/L|-2.0-3.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|2|NM|BE(ecf)||-9.2|mmol/L|-2.0-3.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|3|NM|Glu||4.2|mmol/L|4.1-5.5|||F|||20130213140009|||^01217-11015521403216|||||
OBX|4|NM|HCO3-act||6.3|mmol/L|21.0-28.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|5|NM|Hct||-5%|38-51|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|6|NM|K+||3.8|mmol/L|3.5-4.5|||F|||20130213140009|||^01217-11015521403216|||||
OBX|7|NM|Lact||2.45|mmol/L|0.56-1.39|H|||F|||20130213140009|||^01217-11015521403216|||||
OBX|8|NM|Na+||133|mmol/L|138-146|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|9|NM|O2SAT||100.0%|94.0-98.0|H|||F|||20130213140009|||^01217-11015521403216|||||
OBX|10|NM|cHgb||-1.7|g/dL|12.0-17.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|11|NM|cTCO2||6.4|mmol/L|22.0-29.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|12|NM|pCO2||2.8|mmHg|35.0-48.0|L|||F|||20130213140009|||^01217-11015521403216|||||
OBX|13|NM|pH||7.971|7.350-7.450|H|||F|||20130213140009|||^01217-11015521403216|||||
OBX|14|NM|pO2||185.8|mmHg|83.0-108.0|H|||F|||20130213140009|||^01217-11015521403216|||||
OBX|15|ST|Comments|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|16|NM|Ambient Temperature||78.3|F|||F|||20130213140009|||^01217-11015521403216|||||
OBX|17|NM|Ambient Pressure||752.6|mmHg|||F|||20130213140009|||^01217-11015521403216|||||
OBX|18|ST|EDM Test status||OK|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|19|ST|Card Lot||07-12310-00|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|20|ST|Card Expiration Date||22-Apr-2013|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|21|ST|ReaderSerNum||01217|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|22|ST|HostSerNum||11015521403216|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|23|ST|Error Text|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|24|ST|HostAlias||11015521403216|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|25|ST|Reader Alias||RC|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|26|ST|Department name|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|27|ST|ReaderMaintenanceRequired||No|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|28|NM|Bubble width||0.30|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|29|ST|Host Mode||0|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|30|ST|eQC time||13-Feb-2013 13:56:04|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|31|NM|Test duration||227.2|||||F|||20130213140009|||^01217-11015521403216|||||
OBX|32|ST|Host SW Version||3.22.4|||||F|||20130213140009|||^01217-11015521403216|||||
```

ORU Message Sample 3 – Error Message

```
MSH|^~\&|epoc|Epocal|LAB|LAB|20130213164246||ORU^R01|2013021311265501217|P|2.6||AL|NE|||||
PID|1||normal2|||||M|||||||||||||||||
OBR|1||BGEM^BGEM Test Card||20130213112655|||||20130213112655|Blood|||||||||12|||
|||||
OBX|1|NM|Patient temperature|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|2|ST|Hemodilution|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|3|ST|Sample type||Unspecified|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|4|ST|Draw site||R Radial|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|5|ST|Allen's test||Negative|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|6|ST|Delivery system||AeroMask|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|7|ST|Mode||BIVENT|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|8|NM|FiO2||89%|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|9|NM|Vt||78|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|10|NM|RR||88|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|11|NM|TR||22|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|12|NM|PEEP||33|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|13|NM|PS||44|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|14|NM|IT||55|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|15|NM|ET||66|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|16|NM|PIP||77|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|17|NM|MAP||88|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|33|NM|RQ|||||F|||20130213112655|||^01367-11039521400516|||||
OBX|18|ST|Comments|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|19|ST|Criticals present||No|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|20|ST|Critical action|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|21|ST|Critical notify|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|22|ST|Read back|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|23|ST|Notify date|||||F|||20130213112655|||^01217-11015521403216|||||
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eDM Lite HL7 Export Format

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OBX|24|ST|Ordering physician|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|25|ST|Order time|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|26|ST|Collected by|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|27|ST|Collection time|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|28|ST|Reject test|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|29|ST|Patient location|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|30|ST|Patient age|32|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|31|ST|Patient gender|Male|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|32|NM|Ambient Temperature|77.1|F|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|33|NM|Ambient Pressure|754.5|mmHg|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|34|ST|EDM Test status|Incomplete|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|35|ST|Card Lot|07-12310-00|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|36|ST|Card Expiration Date|22-Apr-2013|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|37|ST|ReaderSerNum|01217|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|38|ST|HostSerNum|11015521403216|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|39|ST|Error Text|iQC Failure: Sample delivery|||||F|||20130213112655|||^01015521403216|||||
OBX|40|ST|HostAlias|11015521403216|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|41|ST|Reader Alias|RC|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|42|ST|Department name|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|43|ST|ReaderMaintenanceRequired|No|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|44|NM|Bubble width|0.30|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|45|ST|EnforceCriticalHandling|Yes|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|46|ST|Host Mode|0|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|47|ST|eQC time|13-Feb-2013 11:16:20|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|48|NM|Test duration|274.0|||||F|||20130213112655|||^01217-11015521403216|||||
OBX|49|ST|Host SW Version|3.22.4|||||F|||20130213112655|||^01217-11015521403216|||||

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Questions

If you have any questions, please contact your Siemens Customer Care Center or your local Siemens technical support representative.

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