

170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5

Revision: <u>1.0</u> Revised: <u>11/29/2023</u>

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Medical Device Intended Use Advisory

The Intended Use Advisory provided below is in compliance with Title 21 Chapter I Subchapter H Part 801 of the FDA's Code of Federal Regulations governing medical devices. This Part requires medical device manufacturers to define intended use. With regard to interface specifications reference 801.4 Meaning of intended uses, and 801.5 Medical devices; adequate directions for use.

The interface supporting 170.315(b)(10) Electronic Health Information (EHI) Export has been designed, installed, and configured to meet general requirements for exchange of laboratory results comprising one or more patient histories. It is imperative that you consult with SCC should you require a different form of output or require interfaces to support other needs and workflows. Use of the software for any reason other than originally specified may violate the safety, effectiveness, and design controls of this medical device, and such use could result in an increased risk to users and patients.

Our priority is to provide quality health care technology to your site while ensuring that you have the best possible experience using the tools we provide. Working together with the above advisories in mind, we can prevent potential, unintended patient care issues from occurring.

Application

This specification applies to SoftLab, SoftMic, SoftBank, and SoftGene and related products

Modules:	✓ SoftLab	✓ SoftMic	✓ SoftBank	✓ SoftPathDx	✓ SoftGene
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Interfaces: 🗸 Result Reporting

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	Document Change Control					
Revision #	Date	Author	Main changes			
1.0	11/29/2023	Josh Reynolds Ray Harms	Original Specification			
		-				

Rev: 170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5 1.0 Export Query and Output

The EHI Result Reporting interface and associated utility for EHI Export is designed to meet two scenarios as described within 2015 Cures Update measure 170.315(b)(10) Electronic Health Information (EHI) Export:

1) Single Patient EHI Export - Export all EHI for a single patient at any time the user chooses.

2) Patient Population EHI Export - Export all EHI for a patient population

Both exports are required to:

a) Be electronic and in a computable format

b) Include a publicly accessible hyperlink of the export's format

Exports meeting this criteria are offered in an HL7 Standard format, an industry standard for data exchange in the form of messages. Exports are in an electronically computable format, containing a history of PHI data including clinical lab history as well as billing history. Data within such exports is limited to data maintained within SCC systems. Data residing externally within other systems is not included.

Linked data that is not natively in a computable format may also be exported. If SoftMedia is installed, and files such as PDF reports and images are linked to patient records, they will be exported as well.

Interface Specification

Creating an Export

Single Patient Export

To export EHI for a single patient, access the export utility either by launching the **EhiExportConsole** application, or through the **Interfaces console** application, *Tools, EHI Export.* Using the export utility, a user may search for a given patient by MRN and/or name, DOB, and sex. Select a patient from the list presented below the search, and press *Process export* to execute the export.

EHI export

MRN:	RN: First name: Last name: TEST Date of birth:					Date of birth:		
mm/dd/yyyy 🗃 Sex: 🗸 Find patients Show audit								
	MRN	First name	Last name 🔺	Date of birth 🔺	Sex 🔺	Address		
	000008	PATIENT	TEST	2000-03-11	Female	123,CLEARWATE 🔺		
	000104	JANE	TEST		Female	-		
	A00006	EXPORT	TEST	1980-07-04	Female	123 NICE AVE, OLDSI		
	000110	SCCKMCAUT1	TEST	1952-01-01	Female	-		
	000122	SCCKMCAUT2	TEST	1922-01-01	Female	-		
	000105	JANE	TEST		Female	-		
	000000092	SCC	TEST	1968-12-12	Female	-		
	000096	NIK	TEST	2017-08-16	Male	- · · · ·		
Proc EHI ex	Cess export Curren	t Run Id:162				Page 1 / 1 1		
🗆 Initi	alization							
Res	sults							
ОМе	dia files							
Billi	ng data							
🗆 Fina	alization							

The utility will gather historic result records for the selected patient from all available modules. If linked documents are found in SoftMedia, those documents will be captured as well. Once complete, the 5 status indicators at the bottom of the window will reflect completion, quantity, and types of data found.

Process export	Current Run Id:163
EHI export proce	ssing
Initialization	Completed (3 transactions)
Results	Completed
Media files	Completed
Billing data	Completed
Finalization	Completed Download ZIP file

The system will package the export as a .zip file and will ask to confirm or navigate to a location to save the file. By default, the zip file will be saved to the "Downloads" folder of the system running the utility.

An audit trail of previous runs is available through the "Show audit" button.

CAUTION: Please allow sufficient time for the export utility to capture data. A long patient history with a large number of historic results may require many minutes to run to completion.

Bulk Patient Export

To export EHI for a batch of patients, SCC services will be required to manage the process. An export may be filtered by patient type, clinic code, or order range, or may include the full population of patients held in SCC systems. A bulk export requires management of available resources to format output messages, create and save files, and transport the data. The "Bulk" or "Patient Population" Export also follows the specifications for message structure and content detailed herein. Please contact your SCC representative to arrange for such a procedure.

Contents of the Export

The .zip file will contain:

• HL7 result messages in a .txt file (as per these specifications)

HL7 batch file syntax is: <pre

- Any patient billing records found in SoftBill/AR in xml form. See separate specifications.
 - Billing file syntax is: BILL_<patient mrn>_<export run number>
- Any linked documents found in SoftMedia
- A ReadMe file containing links to the below result and billing export specifications.

https://www.softcomputer.com/regulatory-affairs/ehi-export/docs/SCC_Standard_EHI_export_rel4.5.pdf

https://www.softcomputer.com/regulatory-affairs/ehi-export/docs/SCC_EHI_export_Billing_History_rel4.5.pdf

Output formats		
HL7 Result formats		

SoftLab, SoftMic, SoftBank, and SoftPath results are sent in a parseable structured fomat.

Structured (Discrete) Format

Individual observations are transmitted as separate OBX segments with separate fields defined for identifying the observation, its values, units, normal ranges etc. SoftLab results are sent as structured results.

SoftMic results are unique in that they involve results for Exams, Cultures, Organisms and Sensitivities, each associate with either the ordered procedure or a particular organism.

Structured (Discrete) SoftMic Results I

Exams, culture observations, organisms, organism comments and sensitivities are reported in separate OBX segments. Organisms are reported with a non-empty observation Sub-ID (OBX[4]) unique per organism. This field is used to link each organism to the sensitivity. In this configuration the sensitivity results do NOT immediately follow the corresponding organism. The receiving system will be responsible for proper grouping and displaying the sensitivity results to the end user.

SoftBank results are unique in that they involve results for Tests, Products, and Actions, each associated with different types of results. SoftBank results are sent in Discrete Format.

SoftBank Expanded Discrete Style

Results are formatted as in SoftBank Discrete Short Text style, but with additional OBX segments after each Product result OBX to expand the primary result into discrete components. Separate OBX segments are sent for Unit ABO/Rh, Unit Number, Product Type, Status, Status Date/Time. The expanded elements are distinguished from the primary result segments by use of OBX-4.

Pathology and some Genetics results are largely textual in nature. Please note, the Discrete form is complex, with a structure that is highly dependent on use of the system.

Discrete/Narrative Format

Results are formatted in a largely narrative style, within OBX segments. Separate sections may be sent under different OBX-3 test codes. OBX segments may repeat for each line of narrative text.

AR/SoftBill Billing output

Billing history, if bills were collected through SoftAR or SoftBill, is formatted as an xml output. See the below specifications for format of the output. Billing that has been performed by another system is not exported. Charge records that were sent to other systems for billing are not exported. If desired, the billing history may also be exported directly from SoftAR.

https://www.softcomputer.com/regulatory-affairs/ehi-export/docs/SCC_EHI_export_Billing_History_rel4.5.pdf

SoftMedia Documents

Copies of objects that are linked to results may be output along with result messages from SoftLab, SoftMic, PathDx, and Genetics modules. Such objects are files that may represent the PDF copy of a reference lab report, or an image associated with a component result. Generally, documents in SoftMedia may be of PDF, RTF, JPEG, TIFF, BMP, TXT, PNG, HTML, or XML type. Other types are also supported.

Document files may be linked to patients, stays, orders, tests, and other records in SCC. Depending on the SCC module, copies of documents linked to the ordered test, procedure, or individual component may be eligible to be output. No documents linked to the order, stay, or patient records are output.

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1.0	Rules
Docume	nt Conventions
	The conventions described below are used in tables throughout this document.
	Shading
	Contents Meaning
	Black text white fill I tem is readily available as a standard part of the interface
	Grev text, while fill I tem is available but must be specifically requested
	Black text grey fill tem is available, but must be specifically requested
	Grev text, grev fill
	Column headers
	Sed = HI 7 Sequence number
	Card = Cardinality, indicating minimum and maximum number of repetitions allowed for a segment.
	Type = Data Type as described by HL7 standards. Data type for each element may not match HL7 recommended data types. Possible Data Types used are:
	DT = Date only (CCYYMMDD format)
	ID = Coded value from HL7 list
	NM = Numeric only
	PN = Telephone number
	ST = Short Text (alphanumeric)
	TS = Time Stamp (includes date: CCYYMMDD[hhmm[ss]]-ZZZZ format)
	TX = Long Text, single lines (comments)
	R/O = Required/Optional characteristic. Possible values are:
	R = Element is required for the interface to process the message successfully.
	O = Element is optional, and may or may not be sent.
	C = Element requirement is conditional upon other criteria. See specification for details.
	A = Always sent.
	Rules = Cross references to applicable Specific Rules on this page.
Reference	
	HL7 Messaging Standard Version 2.5.1, An Application Protocol for Electronic Data Exchange in Healthcare Environments, Copyright © 2007
	HL7 Version 2.5.1 Implementation Guide: S&I Framework Lab Results Interface, Release 1 – US Realm, July 2012
General	Rules
1	Outbound Interface transactions will be HI 7 v2 5 1 standard messages.
2	The terms "Foreign System" and "Other System" refer to any non-SCC information system that is interfaced to SCC.
3	The term Inbound refers to data sent to SCC systems; the term Outbound refers to data sent from SCC systems.
4	Outbound messages will be communicated unidirectionally to the foreign system.
5	Segments or elements not currently detailed in the specifications may be sent without detriment to the receiving system.
6	All time values range from 0000 to 2359. The value 2400 is not used.
7	The atomic unit of each message is the ordered test. A separate message is sent for each ordered test. Discrete results may be restricted to only those component tests which have
	been verified/modified, or to include results previously verified on the ordered test.
8	A single outbound interface will support a single set of business rules. One interface will not support more than one set of rules.
9	The Outbound interface optionally supports utilization of HL7 Escape Sequences when populated with HL7 Encoding Characters. See Specific Rule 6. The fields that support HL7
	Escape Sequences are denoted with a footnote for the specific segment.
10	SoftBank is constrained in the number of units per product order which will be sent. A maximum of 48 units per product will be sent from version 21.0 and above.
11	Data sent in SPM segments are stored in SoftLab at the specimen level in specific fields or as specimen attributes. Specimen information in SPM segments will be derived from
	SoftLab only.
12	In all cases where an Assigning Authority or Assigning Facility are exchanged, the NG RN Profile requires each to be populated with EITHER a Namespace ID OR the combination of
	a Universal Identifier and Universal Identifier Type. Exchange of Namespace ID, Universal Identifier AND Universal Identifier Type is also supported.

SCC Standard EHI export rel4.5.xlsx Rules

Rev:	170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5						
1.0	Rules						
Specific	Rules						
	Result Reporting						
Rule 1	Patient MRN - may be sent with or without prefix characters. If received by ADT and stored as a suffix to the MRN, checksum characters are included.						
	MRN is sent as stored, including any multisite prefix characters.						
	Note: In some cases a prefix may not be defined for one site.						
Rule 2	Patient MRN - can be prefixed with leading 0's.						
	MRN is sent as received and stored. Value will not be modified.						
Rule 3	Patient Billing Number - may be sent with or without prefix characters.						
	Billing Number is sent as stored, including any multisite prefix characters.						
	Note. In some cases a preix may not be defined for one site.						
Rule 4	Patient Billing Number - can be prefixed with leading 0's						
Tuic +	Billing Number is sent as received and stored. Value will not be modified						
Rule 5	Telephone Numbers - may be sent in one of two different formats, either as a single string or as discrete elements.						
	10-character phone numbers are separated into two elements. The area code is sent as a separate element from the local number in subfields 6 & 7 in the format						
	^^^^ NNN^NNNNNNN. Other elements such as Use Code, Equipment Type, Country code, extension, and comment may be included as well.						
Rule 6	Embedded Special Characters - Characters that are used by HL7 as delimiters can be converted to "escape sequences" if included in text. Most often, these are characters " ", "^", "&", and "~" but may vary based on the agreed upon value of MSH-2. If converted, the receiving system must be capable of interpreting escape sequences and "N". See also Standard Interface Eulertimative Result Reporting section. "HI 7 Special Characters" for more information.						
	Sequences such as 104 and 114. See also orange of fields are converted to concer a converted to concer a converted to the section of the sect						
	Enlocuted special characters found within a special set of news are convented to escape sequences. A comment entered as A total of 4 10.5 objects were observed in ~300 realizes of areas & a fluid, would be transmitted as:						
	NTE A total of 4*10\S\5 objects were observed in \R\950 gallons of green \T\ red fluid						
Rule 7	Text sent in NTE segments						
	Each line of comment data is sent in a separate NTE segment. Multiple NTE segments may be sent.						
	Blank lines will be removed when sending comments.						
Rule 8	The basis of the result message is typically the ordered test. The ordered test is considered the Reportable Object and separate messages are usually sent for each						
	ordered test.						
	Results are sent based on the ordered test. Each ordered test is treated as individually reportable. Separate result messages are sent for each ordered test. Grouping of tests to a						
	common SoftLab Order Number is not relevant to reporting by interface.						
Bulo 0	When a group test is partially resulted or when a component is corrected, the result message may contain only new results or all reportable results						
Kule 9	Fach result message will contain ORX segments for all components of the reportable object (see Rule 8). Results are sent in "snapshot" mode						
Rule 10	Format of result element (OBX-5) and value of OBX-2 when result is numeric.						
	Numeric results are sent in HL7 Numeric form, with symbols and numbers a single component (OBX-5.1) and OBX-2 = "NM". Results such as 125.3, -3.25, 65000 are sent in this						
	form. Results such as >=16, =2.45, 10-20, <1:32, 1/2, Positive, >ten, +++, 2,3456.4 are sent as Short Text in OBX-5.1 with OBX-2 = "ST".						
	Alternate style, not recommended by Meaningful Use but accepted as conformant.						

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1.0	Rules							
Rule 11	Canned message (@CODE) codes when entered as results.							
	Both valid and undefined @CODEs may be posted to the result field. @CODEs may be posted to the result field alone, or together with valid results. If the @CODE can be found as a							
	valid canned message code, the full canned message will be sent as result comments, in NTE segments that follow the result.							
	The interface will <u>always</u> remove the "@" and all following characters. If a result is present before the @CODE, only the result is sent. If no result is present, the result "See below" is							
	sent. Note: If only an undefined code is posted as the result, then OBX-5 is sent as "See below", but no comment will follow.							
Rule 12	Test components that are verified are sent with the result in OBX-5. Should components with no result be sent, too?							
	Only verified results are sent.							
	Components that are pending will be sent with the word "Pending" in OBX-5.							
Rule 13	Reporting of CALLED and M_CALLED events. Added and updated result 'called' information can be sent in result messages comments in NTE segments at the Result level.							
	Only CALLED comments are sent in result messages. Upon releasing of results, any available 'result called' comments are sent in NTE segments in the result message.							
Rule 14	Blood Bank Results format							
	SoftBank results are sent in Expanded Discrete Format. This format expands on the Short Text Format by adding individual OBX segments for products and actions, repeating the							
	product Code, product Type & Rh, Unit Number, crossmatch/issue Status, and Date/Time as individual results, each in a separate OBX segment with a unique test code. Un-							
	translated OBX[3] test codes are: UTYPE, UPROD, UABO, URH, UNIT#, USTAT, and UDATE. See OBX(B) segment.							
Dula 45	Miner Online Onemants							
Rule 15	Micro Culture Comments							
Rule 16	Micro Organism identification							
	Organism ID is sent in OBX-5.1 and Organism Name is sent in OBX-5.2.							
Rule 17	Organism cross-reference to Sensitivity OBR segment							
	Organisms are cross-referenced to Sensitivity Panel results based on Isolate Number sent in OBX-4 and OBR-26.2.							
Rule 18	Sending the Significant Occurrence flag in OBX-13 and/or Abnormal flag in OBX-8 with Micro results.							
	If the Significant Occurrence flag is set for a culture test or exam, flags ('+' or '++') are sent in OBX-13 of the corresponding OBX(P) and/or OBX(E) segments and any related and							
	reportable Isolate (OBX(O) segment) AND an Abnormal Flag ('A^Abnormal') is sent in OBX-8 of the corresponding OBX(P) and/or OBX(E) segments and any related and reportable Isolate (OBX(O) segment).							
	If a significant reportable organism is identified, Significant Occurrence flags ('+' or '++') are sent in OBX-13 of the corresponding OBX(O) for the Isolate and and the corresponding							
	parent OBX(P) and/or OBX(E) segments AND Abnormal Flags ('A^Abnormal') are sent in OBX-8 of the corresponding OBX(O) for the Isolate and the corresponding parent OBX(P)							
	If a Significant Occurrence Flag is set anywhere on the SoftMic order, a flag ('+' or '++') is sent in OBR-21 as an Order-level Significant Occurrence flag.							
	If a significant Occurrence Flag is set anywhere on the SoftMic order, an equivalent flag ('+' or '++') is sent in OBX-13 of all related OBX(S) Sensitivity segments.							
Rule 10	Microbiology results can be sent with suppressed isolates and antibiotics							
Tuic 15	Sunpresed or cancelled isolates and drugs are not sent							
Rule 20	Result Text sent in OBX segments. (TX-type OBX segments)							
	Each line of comment data is sent in a separate OBX segment. Multiple OBX segments may be sent.							
Dula 01	Desult Tast including off control characters that is cont in ODV NTE, or DCD Depart Format (FT type normative results)							
Rule 21	Result Text including rtt control characters that is sent in OBX, NTE, or DSP-Report Format (FT-type harrative results).							

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1.0	Rules
Rule 22	Two Date/Time values are associated with each individual result. One (OBX-19) will always be the Verified or Status Date/Time. The second (OBX-14) can be either the
	Date/Time the result was Posted/Entered, or the Specimen Collected Date/Time.
	SCC sends the Date/Time the result was Posted/Entered in OBX-14. For Micro results, this may be the date/time the Isolate was entered or the Drug sensitivity was entered.
	"Observation Date Time" = "Posted/Entered Date/Time"
Rule 23	Exceptionally long messages may be broken into fragments between segments by use of Continuation Pointers (DSC segments and MSH-14) to send the complete
	content in multiple messages.
	Message fragmentation is not used.
	Filtering Criteria
Rule 24	Patient's stays are flagged in SCC as "updated by HIS". Messages may be filtered based on this flag. Often, outpatients stays are registered only in SCC and thus are not
	Messages may be sent for all patients and all stays, regardless of origin.
D 1 05	
Rule 25	Iransmission of results - may require a Placer Order Number to be sent.
	Results may be sent for any ordered test, regardless of the presence of a Placer Order Number. ORC/OBR-2 is not a required field.
	Coded element mapping and translation
Rule 26	Patient Location Codes - each code sent identifies a single defined Ward/Clinic in SCC.
	Primary Location codes locally defined in SCC are sent. No translation of codes is performed.
Rule 27	Physician Codes - each code sent identifies a single defined Doctor in SCC.
	National Provider Index (NPI) codes are used to identify each physician. Codes are sent as defined in the NPI# field of SoftLab Doctors setup. If no NPI is defined, local codes are
	sent.
Rule 28	Non-staff (auxiliary) Physician Code - identifying walk-in doctors not defined in the setup database.
	Users may enter non-staff or walk-in doctors in SCC as "Auxiliary" doctors with the code "*". Such entries are sent with the code: AUX
Rule 29	Microbiology Source Codes (OBR-15.1, SPM-4) - each code sent identifies a single specimen source defined in SCC.
	Locally defined Micro Specimen Source codes are sent in OBR-15.1. No translation of codes is performed.
Rule 30	Priority Codes (OBR-27.6). SCC sends codes "R", "A", "S", "T".
	Priority codes described above are sent. No translation of codes is performed.
Rulo 31	Ordered Test Codes (OBP-1) - each code sent identifies a single orderable test in SCC. Two codes can be sent in OBP-1. OINC codes defined in the I OINC field of Test
Itule 51	Setup will be sent as one of the test identifiers.
	LOINC codes are sent as the Primary ID (OBR-4.1). If no LOINC is defined, locally defined Primary codes for the ordered test will be sent.
	Locally defined Primary codes for the ordered test are sent as the Alternate Test ID (OBR-4.4).
Rulo 22	Individual Result Test Codes (ORX-3) - each code sent identifies a single individual test in SCC. Two codes can be sent in ORX-3. I OINC codes defined in the LOINC
Rule 32	field of Test Setup will be sent as one of the test identifiers.
	LOINC codes are sent as the Primary ID (OBX-3.1). If no LOINC is defined, locally defined Primary codes for the component test will be sent.
	Locally defined Primary codes for the component test are sent as the Alternate Test ID (OBX-3.4).

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1.0	Rules							
Rule 33	SNOMED codes sent as results - Tests defined in setup as "C"oded type tests must capture a SNOMED code as the result.							
	The SNOMED Concept ID is entered and sent as the result and coded element in OBX-5.1							
Rule 34	Abnormal Flag codes, alternate codes (OBX-8.4) - applies only for SoftLab results sent in Discrete Format.							
	Standard HL7 codes (L, LL, H, HH, A, AA) are sent as the Alternate Code in OBX-8.4 to represent abnormal result flags.							
Rule 35	Performing Site code - a code identifying the testing site may be sent with each test result in OBX-15. The receiving system should provide a mechanism to interpret							
	tnese codes to a full descriptive address.							
	Note: More detailed performing site information is that fact in OBX-23 & 24.							
	results are sent with the code is cant.							
	Communication							
	Message Format: HL7 messages are enclosed by site-configurable characters to form a packet or block. SCC will send one HL7 message per packet or block. No header or trailer							
	information should be added to the HL7 message. The format is as follows:							
	<sb>dddd<eb><cr></cr></eb></sb>							
	<sb> = START BLOCK character (1 byte). Typically, 0x0B.</sb>							
	dddd = Variable number of data bytes of data. No length field is required because HL7 uses a delimiter format.							
	<eb> = END BLOCK character (1 byte). Typically, 0x1C.</eb>							
	<cr> = CARRIAGE RETURN character (1 byte). Typically, 0x0D</cr>							

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1.0	Message Structures						
Segment	Description	Card	Rules				
	Message			Lab Results	Micro Results	BB Results	Genetics Results
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU
	MSH-9.2 Event Code			R01	R01	R01	R01
	ORC-1 Control Code			RE	R	R	RE
Common se	egments						
MSH	Message Header	11		R	R	R	R
PID	Patient Identification	11		R	R	R	R
{ NTE }	Notes and Comments (for Patient)	0*	7			/////	
NK1	Next of Kin	01					
PV1	Patient Visit	11					
{ NTE }	Notes and Comments (for Visit)	0*	7				
{ IN1 }	Patient Insurance	0*					
Order segn	nents						
ORC	Common Order	11		R	R	R	R
{ NTE }	Notes and Comments (for Order)	0*	7				
{NTE }	Notes and Comments (for Specimen)	0*	7				
OBR	Observation Request	11	8	R	R	R	R
{ DG1 }	Diagnosis (for Ordered Test)	04				/////	
{NTE }	Notes and Comments (for Order)	0*	7				
{ NTE }	Notes and Comments (for Specimen)	0*	7				
{ NTE }	Notes and Comments (Mic Culture comments)	0*	7	/////		/////	/////
Discrete &	Report Formats						
{	OBSERVATION begin	1*			/////		/////
OBX	Observation (Component Result)	11	12,14,20	R	/////	R	/////
{ NTE }	Notes and Comments (for Component Result)	0*	7		/////	1	/////
{NTE }	Blood Bank Pathologist Interpretation	0*	7	/////	/////	1	/////
{ OBX(B) }	Observation (Blood Bank Product Detail)	0*	14	/////	/////	R	/////
}	OBSERVATION end				/////		/////
{ SPM }	Specimen Details	1*		R	/////	R	/////

Segment	Description	Card	Rules				
	Message			Lab Results	Micro Results	BB Results	Genetics Results
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU
	MSH-9.2 Event Code			R01	R01	R01	R01
	ORC-1 Control Code			RE	RE	RE	RE
Discrete Soft	Mic Results I						
{ OBX(P) }	Observation (Ordered Procedure)	0*		/////		/////	/////
{ NTE }	Notes and Comments (previous obx(p) result)	0*	7	/////		/////	/////
{	CULTURE OBSERVATION begin	0*		/////		/////	/////
{ OBX(E) }	Observation (Exam observations)	0*		/////	R	/////	/////
{NTE }	Notes and Comments (previous obx(e) result)	0*	7	/////		/////	/////
{	ORGANISM begin	0*		/////		/////	/////
{ OBX(O) }	Observation (Organism ID)	1*	16	/////		/////	/////
{ NTE }	Notes and Comments (previous obx(o) result)	0*	7	/////		/////	/////
{ OBX(Q) }	Observation (Quantitation)	0*		/////		/////	/////
{ NTE }	Notes and Comments (previous obx(q) result)	0*	7	/////		/////	/////
{ NTE(OC) }	Notes and Comments (Organism comments)	0*	15	/////		/////	/////
{ NTE }	Notes and Comments (previous obx(oc) result)	0*	7	/////		/////	/////
}	ORGANISM end			/////		/////	/////
}	CULTURE OBSERVATION end			/////		/////	/////
{ SPM }	Specimen Details	1*		/////	R	/////	/////
{	SENSITIVITY PANEL begin	0*		/////		/////	/////
ORC(S)	Common Order	11		/////		/////	/////
OBR(S)	Observation request (Micro sensitivity panel)	11	17	/////		/////	/////
{	SENSITIVITY OBSERVATION begin	1*		/////		/////	/////
OBX(S)	Observation (Antibiotics)	11		/////		/////	/////
{ NTE }	Notes and Comments (Antibiotic comments)	0*	7			/////	/////
{ NTE }	Notes and Comments (previous obx(s) result)	0*	7			/////	/////
}	SENSITIVITY OBSERVATION end					/////	/////
}	SENSITIVITY PANEL end					/////	/////

Segment	Description	Card	Rules				
	Message			Lab Results	Micro Results	BB Results	Genetics Results
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU
	MSH-9.2 Event Code			R01	R01	R01	R01
	ORC-1 Control Code			ᇛ	R	R	RE
Discrete Gen	etics Results						
{	Group Test OBSERVATION begin			/////	/////	/////	
OBX(GI)	Group Test level Interpretation.	01		/////	/////	/////	R
{ OBX(GR) }	Group Test Result Fields	0*		/////	/////	/////	R
{ NTE }	Group test level result comments	0*		/////	/////	/////	
{ NTE }	Group Test Disclaimer/Method/References	0*		/////	/////	/////	
}	Group Test OBSERVATION end			/////	/////	/////	
{	Single Test OBSERVATION begins			/////	/////	/////	
{ OBX(SH) }	Single Test Header	0*		/////	/////	/////	
{ NTE }	Group & Single Test Disclaim/Method/Refs	0*		/////	/////	/////	
OBX(SI)	Single Test Level Interpretation	01		/////	/////	/////	R
{ OBX(SR) }	Single Test Result Fields	0*		/////	/////	/////	R
{ NTE }	Single Test level result comments.	0*		/////	/////	/////	
{ NTE }	Single Test Disclaimer/Method/References	0*		/////	/////	/////	
}	Single Test OBSERVATION ends	a +		/////			
{NTE}	Group & Single Test Disclaim/Method/Refs	0*			/////	/////	
{ SPM }	Specimen Details	0*		/////	/////	/////	К

Rev: 170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5										
1.0	Common & Order S	Segments								
Seq	Element	Output	Туре					Rules	Notes	
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU			
	MSH-9.2 Event Code			R01	R01	R01	R01			
	ORC-1 Control Code			R		RE	RE			
	Origin			Lab	Mic	BB	Gene			
MSH Se	ament						()			
0	MSH	MSH	ID	RF	R F	२	R			
1	Field Separator		ST	RF	R F	2	R			
2	Encoding Characters	^~\&	ST	RF	R F	२	R		Component Separator, Repetition Character, Escape Character, Subcomponent Separator	
3	Sending Application									
31	Namespace ID	<originating module=""></originating>	ST	A A	A A	A .	А		LAB = SoftLab, MIC = SoftMic, BB = SoftBank, GIS = Genetics Information Suite	
3.2	Universal ID	2.16.840.1.113883.3.3013.77.1 2.16.840.1.113883.3.3013.77.2 2.16.840.1.113883.3.3013.77.2 2.16.840.1.113883.3.3013.77.3 2.16.840.1.113883.3.3013.77.5	ST			-			OID values for SCC applications, defined in the the Universal Identifiers table	
0.2									ISO = International Standards Organization: CLIA = CLIA number: L = local code: others are	
3.3	Universal ID Type	ISO	ST						acceptable.	
			-			_			NS ID. UID, and UID Type are defined in the Universal Identifiers table and are linked to a matching	
4	Sending Facility								Code for Sending Facility in both Location setup and the Universal Identifiers table.	
4.1	Namespace ID	<sending id="" ns="" organization=""></sending>	ST	AA	A A	Ą .	A		Namespace is based on Sending Organization in Location setup for Order and Result messages.	
4.2	Universal ID	<sending id="" organization="" universal=""></sending>	ST						ISO Number (OID) or CLIA Number or other identifier.	
4.3	Universal ID Type	<sending organization="" type="" uid=""></sending>	ST						ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.	
5	Receiving Application									
5.1	Namespace ID	EHIEXPORT	ST	A A	A A	Α.	А			
6	Receiving Facility									
6.1	Namespace ID	EHIEXPORT	ST	A A	A A	Α.	А			
7	Date/Time of Message	<message date="" stamp="" time=""></message>	TS						Includes Timezone offset indicator	
9	Message Type									
9.1	Message Type	<hl7 message="" type=""></hl7>	ID	RF	RF	२	R			
9.2	Event Code	<hl7 code="" event=""></hl7>	ID	RF	R F	२	R			
9.3	Message Structure	<message _="" code="" event="" type=""></message>	ID							
10	Message Control ID	<message counter=""></message>	ST	RF	R F	२	R			
11	Processing ID	'P'	ID	RF	R F	२	R		P = Processing	
12	Version ID	2.5.1	NM	RF	R F	२	R			
NTE Se	gment									
0	INTE	NTE	ID	RF	R F	२	R			
1	Set ID - NTE	<counter></counter>	NM						Increments from 1 to n for each group of segments	
2	Source of Comment	L	ST	A A	A A	A.	А		L = Filler is source of ALL comments.	
3	Comment Text	<comment text=""></comment>	ТХ					6. 7. 21	Line of comment. May be blank if user enters blank lines. This field supports use of HL7 Escape sequences.	
4	Comment Type		+	+		-		, ,=•		
4.1	Identifier	RE	ID	AA	A A	A L	А		RE = Remark - all comments are characterized as remarks	
4.2	Text	Remark	ST	AA	A A	A L	А		Remark	
4.3	Name of Coding System	HL70364	ST	AA	A A	A .	A		HL70364	

Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
									Comment type identifer.
									PATCOM = Patient Comment
									STAYCOM = Stay/Visit Comment
									ORDCOM = Order/Accession Comment
									CALLED = Called Comment
									MODCOM = Modified Order Comment
4.4	Alternate Identifier	<comment identifier="" type=""></comment>							TCANC = Ordered Test Cancellation Comment
4.6	Name of Alternate Coding System	L							L = Local code. Primary codes are locally defined codes.
4.7	Coding System Version ID	2.5.1	ST	А	А	А	А		2.5.1
4.8	Alternate Coding System Version ID	NA	ST						NA = No versioning applicable for Local codes
PID Seg	ment								
0	PID	PID	ID	R	R	R	R		
1	Set ID - Patient	1	NM						
3	Patient Information								Up to 6 repetitions may be sent containing identifiers stored in SCC systems as MRN, SSN, Secondary ID or MPI, Client ID, Chart Number, and/or External ID.
0141.4	1st repetition:		OT						MRN includes any checksum characters received from HIS. MRN may be stored in SCC databases with an internal prefix. This prefix is included.
3[1].1	Patient Information - MRN	<patient mrn=""></patient>	51	A	А	А	А	1, 2, 6	I nis field supports use of HL7 Escape sequences.
3[2].1	Patient Information - SSN	<patient ssn=""></patient>	ST						PID-3[2].5 = SS
3[3].1	3rd repetition: Patient Information - Secondary ID or	<patient id="" secondary=""></patient>	ST						Sent as a received and posted. AA and AF elements are taken from MRN attributes. PID-3[3].5 = PE
3[4].1	4th repetition: Patient Information - Client ID	<patient client="" id=""></patient>	ST						Sent as a received and posted. AA and AF elements are taken from MRN attributes. PID-3[4].5 = PN
3[5].1	5th repetition: Patient Information - Chart Number	<patient chart="" number=""></patient>	ST						Sent as a received and posted. AA and AF elements are taken from MRN attributes. PID-3[5].5 = PI
3[6].1	6th repetition: Patient Information - External ID	<patient external="" id=""></patient>	ST						Sent as a received and posted. AA and AF elements are taken from MRN attributes. PID-3[6].5 = PT
3[n] 4	All repetitions: Patient ID Assigning Authority								
- <i>[</i> ,,],-	, allow is nooigning nationly				1		-		As received and posted with inbound ADT messages, autoposted when MRN is autogenerated, or
3[n].4.1	Assigning Authority Namespace ID	<mrn aa="" id="" ns=""></mrn>	ST						manually entered.
3[n].4.2	Assigning Authority Universal ID	<mrstal <mrsta<="" <mrstal="" td=""><td>ST</td><td></td><td>1</td><td></td><td></td><td></td><td>ISO Number (OID) or CLIA Number or other identifier.</td></mrstal>	ST		1				ISO Number (OID) or CLIA Number or other identifier.
3[n].4.3	Assigning Authority Universal ID Type	<mrn aa="" type="" uid=""></mrn>	ST						ISO = International Standards Organization: CLIA = CLIA number: L = local code: others are
			-						MR = Medical Record Number; SS = Social Security Number; PE = Patient Enterprise Number
3[n].5	All repetitions: Patient ID Number Type		ST						(Secondary ID/MPI); PN = Person Number (Client ID); PI = Patient Internal Identifier (Chart Number); PT = Patient External Identifier (External ID)
	All repetitions:		-		1				
3[n].6	Patient ID Assigning Facility				1				
			1	1	1		1	1	As received and posted with inbound ADT messages, autoposted when MRN is autogenerated, or
3[n].6.1	Assigning Facility Namespace ID	<mrn af="" id="" ns=""></mrn>	ST		1				manually entered.
3[n].6.2	Assigning Facility Universal ID	<mrs af="" uid=""></mrs>	ST	L		L			ISO Number (OID) or CLIA Number or other identifier.
3[n].6.3	Assigning Facility Universal ID Type	<mrn af="" type="" uid=""></mrn>	ST						ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.
	Patient Name Information								
5[1]	(1st repetition)		1		1	1	1		

SCC Standard EHI export rel4.5.xlsx

Seq	Element	Output	Туре				F	Rules	Notes
	MSH-9.1 Message Type			ORU	ORI		ORI		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			R 2			R		
	Origin			Lab	Min D	RR	Gene		
5[1].1.1	Patient Family Name/Surname	<patient last="" name=""></patient>	ST	A A	ΛA	۸ A	Ń		
5[1].2	Patient Given Name	<patient first="" name=""></patient>	ST						
5[1].3	Patient Middle Name	<patient middle="" name=""></patient>	ST						
5[1].4	Patient Name Suffix	<patient name="" suffix=""></patient>	ST						Suffix can contain values such as "JR", "II", "III", etc.
5[1].5	Patient Name Prefix	<patient name="" prefix=""></patient>	ST						
									A - Alias; B - Birth; C - Adopted; D - Display; I - Licensing; L - Legal; N - Nickname; R - Registered
5[1].7	Patient Name Type Code	<patient code="" name="" type=""></patient>	ST						(animals only); S - Coded Pseudo-Name; T - Tribal Name; U - Unspecified
5[1].14	Professional Suffix	<patient name="" pro="" suffix=""></patient>	ST						
	Patient Name Information								
5[2]	(2nd repetition)								
5[2].1.1	Patient Family Name/Surname	<patient last="" name="" second=""></patient>	ST						
5[2].2	Patient Given Name	<patient first="" name="" second=""></patient>	ST						
5[2].3	Patient Middle Name	<patient middle="" name="" second=""></patient>	ST						
5[2].4	Patient Name Suffix	<patient name="" second="" suffix=""></patient>	ST						Suffix can contain values such as "JR", "II", "III", etc.
5[2].5	Patient Name Prefix	<patient name="" prefix="" second=""></patient>	ST						
									A - Alias; B - Birth; C - Adopted; D - Display; I - Licensing; L - Legal; N - Nickname; R - Registered
5[2].7	Patient Name Type Code	<patient code="" name="" second="" type=""></patient>	ST						(animals only); S - Coded Pseudo-Name; T - Tribal Name; U - Unspecified
5[2].14	Professional Suffix	<patient name="" pro="" second="" suffix=""></patient>	ST						
6	Mother's Maiden Name								
6.1.1	Family Name/Surname	<mother's last="" maiden="" name=""></mother's>	ST						
6.2	Given Name	<mother's first="" maiden="" name=""></mother's>	ST						
6.3	Middle Name	<mother's maiden="" middle="" name=""></mother's>	ST						
6.4	Suffix	<mother's maiden="" name="" suffix=""></mother's>	ST						Suffix can contain values such as "JR", "II", etc.
6.5	Prefix	<mother's maiden="" name="" prefix=""></mother's>	ST						
6.7	Name Type Code	<mother's code="" maiden="" name="" type=""></mother's>	ST						M = Maiden Name
6.14	Professional Suffix	<mother's maiden="" name="" pro="" suffix=""></mother's>	ST						
7	Patient Date of Birth	<patient dob=""></patient>	TS						CCYYMMDD[hhmm] format
8	Patient Administrative Sex	<patient sex=""></patient>	ST						M = Male; F = Female; U = Undefined
10	Patient Race								May repeat with Gene messages.
10.1	Race Identifier	<race code=""></race>	ST						Other Race code as defined in HIS Mapping, Race translation tables
10.2	Race Text	<race text=""></race>	ST						Race description (text) as defined in HIS Mapping, Race translation tables
									Name of Other coding system as defined in HIS Mapping Tables. Should refer to an HL7 table such as
10.3	Name of Coding System	Race Coding System Name>	ST						"HL70005"
10.4	Alternate Identifier	<scc code="" patient="" race=""></scc>	ST						Primary Race code as seen in SCC systems
10.5	Alternate Text	<race text=""></race>	ST						Race description (text) as defined in HIS Mapping, Race translation tables
10.6	Name of Alternate Coding System	L	ST						L = Local code. Primary codes are locally defined codes.
10.7	Coding System Version ID	<race coding="" system="" version=""></race>	ST						Version of Other coding system as defined in <i>HIS Mapping Tables</i> . Should refer to an HL7 version such as "2.5.1"
10.8	Alternate Coding System Version ID	NA	ST	\uparrow					NA = No versioning applicable for Local codes
11[1]	Patient Address (1st repetition)	1	1	\uparrow					
11[1] 1	Street or Mailing Address	<patient #1="" 1="" address="" line=""></patient>	ST		+		+		
11[1].2	Address line 2	<patient #1="" 2="" address="" line=""></patient>	ST				+		
11[1] 3	City	<patient #1_citv="" address=""></patient>	ST				+		
11[1] 4	State	<patient #1,="" address="" state=""></patient>	ST	++	+		+		
11[1] 5	Zip Code	<patient #1="" address="" zip=""></patient>	ST				+		
11[1].6	Country	<patient #1,="" address="" code="" country=""></patient>	ST						

SCC Standard EHI export rel4.5.xlsx

Ser	Element	Output	Tupo					Pulse	Notos
Seq	Element	Output	туре					Rules	NOLES
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
11[1].7	Address Type	<patient #1="" address="" code="" type=""></patient>	ST				()		C = Current; H = Home; L = Legal; M = Mailing; P = Permanent
11[1].9	County Code	<patient #1,="" address="" county=""></patient>	ST						
11[2]	Patient Address (2nd repetition)								
11[2].1	Street or Mailing Address	<patient #2="" 1="" address="" line=""></patient>	ST						
11[2].2	Address line 2	<patient #2="" 2="" address="" line=""></patient>	ST						
11[2] 3	City	<patient #2,="" address="" citv=""></patient>	ST						
11[2] 4	State	<patient #2,="" address="" state=""></patient>	ST						
11[2] 5	Zip Code	<patient #2,="" address="" zip=""></patient>	ST						
11[2] 6	Country	<patient #2,="" address="" code="" country=""></patient>	ST						
11[2] 7	Address Type	<patient #2="" address="" code="" type=""></patient>	ST						$\mathbf{C} = \text{Current}$: $\mathbf{H} = \text{Home}$: $\mathbf{L} = \mathbf{L}$ equal: $\mathbf{M} = \text{Mailing}$: $\mathbf{P} = \text{Permanent}$
11[2] 9	County Code	<patient #2="" address="" county=""></patient>	ST						
13	Home Phone Number (may repeat up to 3X)	<home phone=""></home>						5	Primary number is listed first, e-mail is listed last. Use Codes based on database field as follows: PRN - Primary Home Phone; ORN - Other Home Phone; NET - e-Mail Equipment Types: PH - Phone; CP - Cell Phone; FX - Fax; Internet - e-Mail See Common Elements below , <i>Phone Number</i> for full structure
			1						A single number is sent with the following:
									Use Code: WPN - Business Phone
									Equipment Types: PH - Phone; CP - Cell Phone; FX - Fax
14	Business Phone Number	<business phone=""></business>						5	See Common Elements below. Phone Number for full structure
15	Primary Language	<language code=""></language>	ST					-	As stored either in SoftLab database fields: patient ptland.
16	Marital Status	<marital code="" status=""></marital>	ST						SCC codes are sent with no translation
17	Religion	<religion code=""></religion>	ST						SCC codes are sent with no translation
			-						Billing Number may be stored in SCC databases with an internal prefix. This prefix is included.
18	Patient Account Number	<billing number=""></billing>	ST	R	R	R	R	3.4.6	This field supports use of HL7 Escape sequences.
22	Ethnic Group	·						-, ., -	
									Other Ethnicity code as defined in HIS Mapping, Ethnic Group translation tables
22.1	Ethnic Group Identifier	<ethnic code="" group=""></ethnic>	ST						H = Hispanic or Latino: N = Not Hispanic or Latino: $H = Unknown$
22.1	Ethnic Group Text	<ethnic group="" text=""></ethnic>	ST						Ethnic Group description (text) as defined in HIS Manning, Ethnic Group translation tables
22.2									Name of other coding system as defined in <i>HIS Manning</i> , Edition Code translation tables
22.3	Name of Ethnic Group Coding System	<ethnic coding="" group="" name="" system=""></ethnic>	ST						"HC70189"
22.4	Alternate Identifier	<scc code="" ethnic="" group=""></scc>	ST						Primary Ethnic Group code as seen in SCC systems
22.5	Alternate Text	<ethnic group="" text=""></ethnic>	ST						Ethnic Group description (text) as defined in <i>HIS Mapping, Ethnic Group</i> translation tables
22.6	Name of Alternate Coding System	L	ST	A	A	A	A		L = Local code. Primary codes are locally defined codes.
22.7	Coding System Version ID	<ethnic coding="" group="" system<br="">Version></ethnic>	ST						Version of Other coding system as defined in <i>HIS Mapping Table</i> . Should refer to an HL7 version such as "2.5.1"
22.8	Alternate Coding System Version ID	NA	ST	Α	А	А	A		NA = No versioning applicable for Local codes
29	Patient Death Date/Time	<patient date="" death="" time=""></patient>	TS						
30	Patient Death Indicator	<deceased flag=""></deceased>	ST						Y = Deceased, null otherwise
31	Identity Unknown Indicator	<identity flag=""></identity>	ST						Y = Identity Unknown, N = Identity Known
33	Last Update Date/Time	<last date="" time="" update=""></last>	TS						
35	Species		1						
			1						Other Species code as defined in HIS Mapping, Species translation tables:
35.1	Species Identifier	<species code=""></species>	ST						SNOMED code 337915000 = Human
35.2	Species Text	<species text=""></species>	ST						species description (text) as defined in HIS Mapping. Species translation tables
35.3	Name of Coding System	<species coding="" name="" system=""></species>	ST						Name of Other coding system as defined in <i>HIS Mapping Table</i> . Should refer to a universal table such as SNOMED (SCT)
000 01-		Second County Cystem Numer	<u> </u>				I	I	

SCC Standard EHI export rel4.5.xlsx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			ᇛ		R	RE		
	Origin			Lab	Min	BB	Gene		
35.4	Alternate Identifier	<scc code="" species=""></scc>	ST						Primary Species code as seen in SCC systems (e.g.: H = Human)
35.5	Alternate Text	<species text=""></species>	ST						Species description (text) as defined in HIS Mapping, Species translation tables
35.6	Name of Alternate Coding System	L	ST	A A	A A	۱ A	A		L = Local code. Primary codes are locally defined codes.
35.7	Coding System Version ID	<species coding="" system="" version=""></species>	ST						Version of Other coding system as defined in <i>HIS Mapping Table.</i> (Note: SNOMED version is typically expressed as a date)
35.8	Alternate Coding System Version ID	NA	ST	A A	A	۱ I	A		NA = No versioning applicable for Local codes
40	Employer Address		0.		. /	· /			
40 1	Employer Address line 1	<patient 1="" address="" employer="" line=""></patient>	ST		_	_			
40.2	Employer Address line 2	<patient 2="" address="" employer="" line=""></patient>	ST		_	_			
40.3	Employer City	<patient address,="" citv="" employer=""></patient>	ST						
40.4	Employer State	<patient address,="" employer="" state=""></patient>	ST						
40.5	Employer Zip	<patient address,="" employer="" zip=""></patient>	ST						
NK1 Ser	amont								
NKT Set		NK1		D) [2	D		
1	Sot ID Novt of Kin	1	NM				Λ		
2	Novt of Kin Namo		INIVI	A /	` <i>_</i>	<u> </u>	A		Contact Parson is used as Novt of Kin
21	Last Name	<contact last="" name=""></contact>	ST		_	_			
2.1	First Name	<contact east="" name=""></contact>	ST		_	_			
2.2	Middle Name	<contact middle="" name=""></contact>	ST						
2.0	Suffix	<contact name="" suffix=""></contact>	ST						
2.4	Prefix	<contact name="" prefix=""></contact>	ST						
2.0			01		-	-			A - Alias: B - Birth: C - Adopted: D - Display: I - Licensing: L - Legal: N - Nickname: R - Registered
27	Name Type Code	<contact code="" name="" type=""></contact>	ST						(animals only): S - Coded Pseudo-Name: T - Tribal Name: U - Unspecified
2.1	Professional Suffix	<contact name="" pro="" suffix=""></contact>	ST		_				
3	Next of Kin Relationship		0.		_	_			
31	Relationship Identifier	<contact code="" relationship=""></contact>	ST		_	_			Other Relationship code as defined in HIS Manning, Relationship translation tables
32	Relationship Text	<relationship text=""></relationship>	ST			-			Relationship description (text) as defined in HIS Mapping, Relationship translation tables
0.2									Name of Other coding system as defined in <i>HIS Mapping Table</i> . Should refer to an HLZ table such as
3.3	Name of Coding System	<relationship coding="" name="" system=""></relationship>	ST						"HL70063"
3.4	Alternate Identifier	<scc code="" contact="" relationship=""></scc>	ST						Primary Relationship code as seen in SCC systems
3.5	Alternate Text	<relationship text=""></relationship>	ST						Relationship description (text) as defined in HIS Mapping, Relationship translation tables
3.6	Name of Alternate Coding System	L	ST	A A	A A	۱ I	A		L = Local code. Primary codes are locally defined codes.
									Version of Other coding system as defined in HIS Mapping Table. Should refer to an HL7 version such
3.7	Coding System Version ID	<relationship coding="" system="" version=""></relationship>	ST						as "2.5.1"
3.8	Alternate Coding System Version ID	NA	ST	A A	A A	۱ I	Α		NA = No versioning applicable for Local codes
4	Next of Kin Address								Contact Person's address is used as Next-of-Kin's address
4.1	Address line 1	<contact 1="" address="" line=""></contact>	ST						
4.2	Address line 2	<contact 2="" address="" line=""></contact>	ST						
4.3	City	<contact address="" city=""></contact>	ST						
4.4	State	<contact address="" state=""></contact>	ST						
4.5	Zip Code	<contact address="" zip=""></contact>	ST						
4.6	Country	<contact address="" code="" country=""></contact>	ST						
4.7	Address Type	<contact address="" code="" type=""></contact>	ST						C = Current; H = Home; L = Legal; M = Mailing; P = Permanent
4.9	County Code	<contact address="" county=""></contact>	ST						

Son	Flomont	Output	Tupo					Puloe	Notos
Seq	Liement	Output	Type			-		Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
									Primary number is listed first, e-mail is listed last. Use Codes based on database field as follows:
									PRN - Contact Phone; WPN - Work Phone; NET - e-Mail
	Next of Kin Phone #							_	Equipment Types: PH - Phone; CP - Cell Phone; FX - Fax; Internet - e-Mail
5	(May repeat up to 3X)	<contact phone=""></contact>						5	See Common Elements below, Phone Number for full structure
13	Contact Organization Name								Used if the "person to contact" is an organization rather than a person
13.1	Organization Name	<contact name="" organization=""></contact>	ST						As received and posted with inbound ADT messages or manually entered.
13.2	Organization Name Type Code	<contact name="" organization="" type=""></contact>	ST						A = Alias name; D = Display name; L = Legal name
	Contact Organization Assigning								
13.6	Authority		OT						
13.6.1	Assigning Authority Namespace ID	<contact aa="" id="" ns="" organization=""></contact>	SI						As received and posted with inbound AD I messages or manually entered.
13.6.2	Assigning Authority Universal ID	<contact aa="" organization="" uid=""></contact>	ST						As received and posted with inbound AD I messages, manually entered, or captured from Universal Identifiers table based on NS ID. Should be ISO Number (OID) or CLIA Number.
									As received and posted with inbound ADT messages, manually entered, or captured from Universal
									Identifiers table based on NS ID.
									ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are
13.6.3	Assigning Authority Universal ID Type	<contact aa="" organization="" type="" uid=""></contact>	ST						acceptable.
13.7	Identifier Type Code	XX	ID						XX = Organization Identifier
13.10	Organization Identifier	<contact code="" organization=""></contact>	ST						As received and posted with inbound ADT messages.
PV1 Se	gment								
0	PV1	PV1	ID	R	R	R	R		
1	Set ID	1	NM						
2	Patient Class	<scc patient="" type=""></scc>	ST	А	А	А	А		SCC code as defined in Wards/Clinics setup
3	Assigned Patient Location								Name of the patient location when the order was placed.
3.1	Unit/Location/Clinic	<patient code="" location=""></patient>	ST	А	А	А	А	26	SCC coded mnemonic only.
3.2	Room	<room></room>	ST						
3.3	Bed	<bed></bed>	ST						
4	Admission Type								
									A - Accident; E - Emergency; L - Labor and Delivery; R - Routine; N - Newborn (Birth in healthcare
4	Admission Type	<admission type=""></admission>	ST						facility); U - Urgent; C - Elective
									Billing Number may be stored in SCC databases with an internal prefix. This prefix is included.
5	Preadmit Number	<billing number=""></billing>	ST	А	А	А	А	3, 4, 6	This field supports use of HL7 Escape sequences.
7	Attending Doctor	<attending doctor=""></attending>		А	А	А	А	27, 28	See Common Elements below, Provider Information
									See Common Elements below, Provider Information
9	Consulting Doctor	<consulting doctor=""></consulting>						27, 28	Consulting Doctor is not normally stored or accessed in SoftLab
10	Hospital Service	<hospital code="" service=""></hospital>	ST						As stored under Stay menu, Medical Service.
17	Admitting Doctor	<admitting doctor=""></admitting>						27, 28	See Common Elements below, Provider Information
18	Patient Type								
18.1	HIS Patient Type	<his patient="" type=""></his>	ST						As stored in SoftLab. Stay Level miscellaneous field.
				1	1	1	1	L	As stored under Stay menu, HIS Visit Number.
19	Visit Number	<visit number=""></visit>	ST	1	1	<u> </u>		6	This field supports use of HL7 Escape sequences.
36	Discharge Disposition	<deceased indicator=""></deceased>	ST	1	1	<u> </u>		ļ	20 = Patient is flagged as deceased in SoftLab, null otherwise
				1					Multisite: Appropriate HIS# based on setup of Multisite HIS Acc Setup Table.
39	Servicing Facility	<his account=""></his>	SI	1	1		<u> </u>	б	I his field supports use of HL/ Escape sequences.
				1	1	1	1		
L.			TO	1					
44	Admit Date/Time	<aamit date="" i="" ime=""></aamit>	15	1	1	1			As stored in the SoftLab database. If the admission time is not present then only the date will be sent.
১০০ ১৫	anuaru Emi export rei4.5.XISX								Page 2

Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
									CCYYMMDD format
45	Discharge Date/Time	<discharge date="" time=""></discharge>	TS						As stored in the SoftLab database. If the discharge time is not present then only the date will be sent.
50	Alternate Visit ID - Visit Number	<visit chart="" number=""></visit>	ST						Alternate Visit number (a.k.a. Account#/Alternate Visit Account Number) is a Patient ID used on a 3rd party system that is usually manually entered in the the <i>Account</i> # field at the stay level.
IN1 Seg	ment								
0	IN1	IN1	ID	R	R	R	R		
1	Set ID - Insurance	<set id="" insurance="" priority=""></set>	ST	Α	A	А	Α		
2	Insurance Plan ID	<insurance code=""></insurance>	ST	А	A	А	Α		A unique ID for each insurance is used.
3	Insurance Company ID	<insurance code=""></insurance>	ST	А	A	А	А		A unique ID for each insurance is used.
8	Group Number	<group number=""></group>	ST						
12	Plan Effective Date	<effective date=""></effective>	ST						
13	Plan Expiration Date	<expiration date=""></expiration>	ST						
15	Plan Type	<family flag="" plan=""></family>	ST						
16	Insured Name	in anna) i nan i nagi							
16.1	Insured Last Name	<insured last="" name=""></insured>	ST						
16.2	Insured First Name	<insured first="" name=""></insured>	ST						
16.3	Insured Middle Name	<insured middle=""></insured>	ST						
17	Insured's Relationship To Patient	<relation code="" insured="" to=""></relation>	ST						$I = \text{Self: } \mathbf{S} = \text{Spouse: } \mathbf{C} = \text{Child: } \mathbf{O} = \text{Other}$
18	Insured's Date Of Birth	<insured's birth="" date="" of=""></insured's>	ST						
19	Insured Address		-						
19.1	Ins'd Address line 1	<insured 1="" address="" line=""></insured>	ST						
19.2	Ins'd Address line 2	<insured 2="" address="" line=""></insured>	ST				-		
19.3	Ins'd Address City	<insured city=""></insured>	ST				-		
19.0	Ins'd Address State	<insured states<="" td=""><td>ST</td><td></td><td></td><td></td><td></td><td></td><td></td></insured>	ST						
19.5	Ins'd Address Zin	<insured zip=""></insured>	ST						
19.6	Ins'd Country Code		ST						
22	Coord Of Ben. Priority	<coord. benefit="" of="" priority=""></coord.>	ST						Numeric value indicates primary, secondary, tertiary, etc. insurance. Since IN1 segments are sent in this order naturally, this is a repeat of the Set ID in IN1111.
36	Policy Number	<policy number=""></policy>	ST						
43	Insured's Sex	<insured's sex=""></insured's>	ST						M = Male: F = Female: U = Undefined
OPC Se	ament		-						
		ORC		D	D	D	D		
0	ORC Order Control	URC		R	R	R	ĸ		
1	Blasser Order Number		U	R	ĸ	R	ĸ		
2	Placer Order Number								"Farsign Sustam", Diagon Dogugat Number, San also OPD 2
2.1	Placer Order Number	<placer #="" order=""></placer>	ST					6, 25	This field supports use of HL7 Escape sequences.
2.2	Namespace ID	<placer id="" ns="" number=""></placer>	ST						As posted with inbound NW, SN, and NA messages from the placer system
2.3	Universal Identifier	<placer number="" uid=""></placer>	ST						As posted with inbound NW, SN, and NA messages from the placer system. Should be ISO Number (OID) or CLIA Number.
									As posted with inbound NW, SN, and NA messages from the placer system.
2.4	Universal Identifier Type	<placer number="" type="" uid=""></placer>	ST						ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.
3	Filler Order Number		1	1			1		

SCC Standard EHI export rel4.5.xlsx

Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
3.1	Filler Order Number	<scc "lis="" #"=""></scc>	ST						SCC Filler Number. See also OBR-3. NS ID, UID, and UID Type are assigned by SCC and defined in the <i>Universal Identifiers</i> table.
3.2	Namespace ID	<order# id="" namespace=""></order#>	ST						A constant value defined in Universal Identifiers for the Code ORDNUM representing the client/installation.
3.3	Universal Identifier	<order# uid=""></order#>	ST						An ISO-compliant OID is defined in Universal identifiers for the Code ORDNUM representing the client/installation.
3.4	Universal Identifier Type	ISO	ST						ISO = International Standards Organization
4	Placer Group Number								
4.1	SCC Order Number	<softlab number="" order=""></softlab>	ST	A	A	A	A		SCC Order Number. Multiple tests (OBR segments) may share the same SoftLab Order Number. Taken together, the SoftLab Order Number and Ordered Test Code form a unique combination for the enterprise. NS ID, UID, and UID Type are assigned by SCC and defined in the <i>Universal Identifiers</i> table.
4.2	Namespace ID	<order# id="" namespace=""></order#>	ST						A constant value is defined in Universal Identifiers for the <i>Code</i> ORDNUM representing the client/installation.
4.3	Universal Identifier	<order# uid=""></order#>	ST						An ISO-compliant OID is defined in Universal Identifiers for the <i>Code</i> ORDNUM representing the client/installation.
4.4	Universal Identifier Type	ISO	ST						ISO = International Standards Organization
8	Parent								
8.1.1	Parent	<auxiliary #="" order=""></auxiliary>	ST						A non-unique Placer Order Number that may be saved in SCC's genindex table as AUX#
8.1.2	Namespace ID	<auxiliary id="" ns="" number=""></auxiliary>	ST						As posted with inbound NW, SN, and NA messages from the placer system
8.1.3	Universal Identifier	<auxiliary number="" uid=""></auxiliary>	ST						As posted with inbound NW, SN, and NA messages from the placer system. ISO Number (OID) or CLIA Number.
8.1.4	Universal Identifier Type	<auxiliary number="" type="" uid=""></auxiliary>	ST						As posted with inbound NW, SN, and NA messages from the placer system. ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.
9	Event Date/Time	<ordered date="" time=""></ordered>	TS	A	A	A	A		Date & time when the order was placed. Time is sent as 0000 when not entered in SCC.
10	Entered by	Ordenia a Task ID as Dathala sist ID	OT	^	٨	^	^		0.44 - b/0.44 Miz/0.44 Dem b/0.44 Open time. ID at the tember of which which in terms of the service
10.1	Common ID	<or> Cidening Tech ID of Pathologist ID> </or>	51	А	А	А	А	26	Solitab/Solitviid/Solitbank/SolitGenetics ID of the technologist who placed the order.
13	Ward	<ordering ward=""></ordering>	ST	Δ	Δ	Δ	Δ	20	SCC ID of the ward where the order was placed
10.1	Ordering Location/Collection Center	<ordering center<="" collection="" location="" td=""><td>et</td><td>~</td><td>~</td><td></td><td>~</td><td></td><td>Code of the ordering location/collection center (aka depot) from which the order was placed, as defined in SoftLab Ordering Location/Collection Center Setup.</td></ordering>	et	~	~		~		Code of the ordering location/collection center (aka depot) from which the order was placed, as defined in SoftLab Ordering Location/Collection Center Setup.
13.2	Callback Phone Number							-	Primary number is listed first, e-mail is listed last. Use Codes based on database field as follows: WPN - Primary Office Phone; WPN - Other Office Phone; BPN - Pager Number; ORN - Fax; NET - e- Mail Equipment Types based on database field as follows: PH - Primary Office Phone; PH - Other Office Phone; BP - Pager; FX - Fax; Internet - e-Mail
14	(may repeat up to 5x)	<ur>Ordering Doctor Phone #></ur>	—	1				5	See Common Elements below, Phone Number for full structure
21	Ordering Facility Information		──				\vdash		
21.1	Organization Name	<organization -="" clinic="" name="" ordering=""></organization>	ST						Organization Name is defined in <i>Clinic</i> setup
21.2	Organization Name Type Code	L	ID	А	А	A	A		A = Alias name; D = Display name; L = Legal name

SCC Standard EHI export rel4.5.xlsx

C	Element	Output	Tuno					Dulas	Netes
Seq	Element	Output	туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
21.6	Ordering Facility Assigning Authority		ST						NS ID, UID, and UID Type are defined in the <i>Universal Identifiers</i> table and are linked to a matching SCC ID in both <i>Clinic</i> setup and the <i>Universal Identifiers</i> table.
21.6.1	Assigning Authority Namespace ID	<ordering id="" ns="" organization=""></ordering>	ST						
21.6.2	Assigning Authority Universal ID	<ordering organization="" uid=""></ordering>	ST						ISO Number (OID) or CLIA Number or other identifier.
21.6.3	Assigning Authority Universal ID Type	Ordering Organization UID Type>	ST						ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.
21.7	Identifier Type Code	XX	ID	А	А	А	А		XX = Organization Identifier
21.10	Organization Identifier	<organization -="" clinic="" code="" ordering=""></organization>	ST						Organization Code from Clinic setup. If no Organization is defined, then Clinic code is sent.
22	Ordering Facility Address	5 5							
22.1	Street or Mailing Address line 1	<ordering 1="" address="" clinic=""></ordering>	ST						
22.2	Street or Mailing Address line 2	<ordering 2="" address="" clinic=""></ordering>	ST						
22.3	City	<ordering city="" clinic=""></ordering>	ST						
22.4	State or Province	<ordering clinic="" state=""></ordering>	ST						
22.5	Postal Code	<ordering clinic="" zip=""></ordering>	ST						
22.6	Country	<ordering clinic="" country=""></ordering>	ST						SCC codes are sent with no translation.
22.7	Address Type	В							Options are: B = Firm/Business; L = Legal Address; M = Mailing; O = Office; P = Permanent
22.9	County Code	<ordering clinic="" county=""></ordering>	ST						
23	Ordering Facility Phone Number	<ordering #="" clinic="" phone=""></ordering>						5	A single number is sent with the following: Use Code: WPN - Business Phone Equipment Type: PH - Phone See Common Elements below, <i>Phone Number</i> for full structure
24	Ordening Provider Address								
24.1	Street or Mailing Address line 1	<requesting 1="" address="" doctor=""></requesting>	ST						
24.2	Street or Mailing Address line 2	<requesting 2="" address="" doctor=""></requesting>	ST						
24.3	City	<requesting city="" doctor=""></requesting>	SI						
24.4	State or Province	<requesting doctor="" state=""></requesting>	SI		<u> </u>				
24.5	Postal Code	<requesting doctor="" zip=""></requesting>	SI						
24.6	Country	<requesting country="" doctor=""></requesting>	51						Options are:
24.7	Address Type	<requesting address="" doctor="" type=""></requesting>	ID						B = Firm/Business; L = Legal Address; M = Mailing; O = Office; P = Permanent
24.9	County Code	<ordering county="" doctor=""></ordering>	ST						
									Test code and associated attributes of parent ordered test when this test is a reflex. Matches contents of OBR-50. See also OBR-29 for related parent order number. Valued only when test is a reflex.
31	Parent Universal Service Identifier	<parent ordered="" test=""></parent>				////			See Common Elements below, Ordered Procedure for full structure
OBR Se	egment								
0	OBR	OBR	ID	R	R	R	R		
1	Set ID – OBR	1	NM						
2	Placer Order Number								
2.1	Placer Order Number	<placer #="" order=""></placer>	ST					6, 25	"Foreign System" Placer Request Number. See also ORC-2. This field supports use of HL7 Escape sequences.
SCC Sta	andard EHI export rel4.5.xlsx								Page 2

Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type					ORL	ORL		
	MSH-9.2 Event Code			R01	RO1	R01	I R01		
	ORC-1 Control Code			RE	ת ה	RE	RE		
	Origin			Lab	Min	BB	Gene		
2.2	Namespace ID	<placer id="" ns="" number=""></placer>	ST						As posted with inbound NW, SN, and NA messages from the placer system
2.3	Universal Identifier	<placer number="" uid=""></placer>	ST						As posted with inbound NW, SN, and NA messages from the placer system. Should be ISO Number (OID) or CLIA Number.
2.4	Universal Identifier Type	<placer number="" type="" uid=""></placer>	ST						As posted with inbound NW, SN, and NA messages from the placer system. ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are acceptable.
3	Filler Order Number								
3.1	Filler Order Number	<scc "lis="" #"=""></scc>	ST						SCC Filler Number. See also ORC-3.
3.2	Namespace ID	<order# id="" namespace=""></order#>	ST						A constant value defined in Universal Identifiers for the Code ORDNUM representing the client/installation.
3.3	Universal Identifier	<order# uid=""></order#>	ST						An ISO-compliant OID is defined in <i>Universal Identifiers</i> for the <i>Code</i> ORDNUM representing the client/installation.
3.4	Universal Identifier Type	ISO	ST						ISO = International Standards Organization
4	Ordered Procedure	<ordered test=""></ordered>		A A	\ A	A J	A	31	See Common Elements below, Ordered Procedure
7	Observation Date/Time	<collected date="" time=""></collected>	TS						Empty for not collected specimens. Includes Timezone offset indicator
10	Collector Identifier	<collecting id="" phlebotomist=""></collecting>	ST						Empty for not collected specimens
13	Relevant Clinical Information								
13.1	Identifier	<test code="" diagnosis="" level=""></test>	ST						First test level diagnosis code as stored in SoftLab database, SoftLab Order menu, Check Medical Necessity, Service Code modifiers, Test Diagnosis.
13.2	Text	<dictionary description="" dx=""></dictionary>	ST						Text description of code as defined in Diagnosis setup table
13.3	Name of Coding System	<type code="" dx="" of=""></type>	ST						From dictionary definition. Should be defined to indicate "I9CDX"
14	Specimen Received Date/Time	<received date="" time=""></received>	TS						Empty for not received specimens
15	Specimen Source			////	/	////	////		
15.1	Source Code	<specimen code="" source=""></specimen>	ST	////	/	////	////	29	SoftMic: Source code as defined by the user in the Microbiology system files. (e.g.: WND)
15.3	Source Name	<specimen name="" source=""></specimen>	ST	////	/	,,,,	////		SoftMic: Source name as defined by the user in the Microbiology system files. (e.g.: Abscess Wound).
15.4	Site	<specimen site=""></specimen>	ST	////	/	///	////		SoftMic: Text description of the body site. (e.g.: Right Leg)
			0.		- 1				Matches ORC-12
16	Ordering Provider Information	<requesting doctor=""></requesting>		A A	A A	A I	A	27, 28	See Common Elements below, Provider Information
17	Callback Phone Number	<ordering #="" doctor="" phone=""></ordering>						5	Primary number is listed first, e-mail is listed last. Use Codes based on database field as follows: WPN - Primary Office Phone; WPN - Other Office Phone; BPN - Pager Number; ORN - Fax; NET - e- Mail Equipment Types based on database field as follows: PH - Primary Office Phone; PH - Other Office Phone; BP - Pager; FX - Fax; Internet - e-Mail See Common Elements below. Phone Number for full structure
						+		-	As stored under Stav menu, HIS Visit Number.
19	Placer field 2	<visit number=""></visit>	ST					6	This field supports use of HL7 Escape sequences.
21	Filler field 2 (Mic only)		ST	////	/.	////	////	18	Micro Significant Occurrence flag. + or ++
									Describes the content of the Blood Bank result message: 'TEST', 'PRODUCT', 'ACTION' as determined
21	Filler field 2 (Bank only)		ST	//// //	///	,	////		by the 'resultTypeFormat_BB' SoftBank parameter.
21	Filler field 2 (Gene only)			.	/// //	////			SoftGIS Module Supplemental Reports:
21.1	Filler field 2, component 1		ST		// //	////			" <gis ordernumber="">_<technology>_<report_type>_<report_branch>"</report_branch></report_type></technology></gis>
21.2	Filler field 2, component 2		ST	//// //	// //	////			SoftGIS Supplemental: " <report_revision>"</report_revision>
21.3	Filler field 2, component 3		ST	//// //	11 1	////			SoftGIS Supplemental: " <report recid="">"</report>

SCC Standard EHI export rel4.5.xlsx

Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU		ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			R R		RE	RE		
	Origin			Lab		BB	Gene		
									SoftLab: Latest verified date/time
									SoftMic: Latest status-change date
									SoftBank: Date the last test in a group of tests was resulted.
22	Results Rot/Status Chog - Date/Time	<pre>_l ast \/erified Date/Time></pre>	TS						Genetics: Sign out date.
22	Results Rpt/Status Ching - Date/ Hitte		13						Department code for the ordered test as defined in the Softlight Department Setup File. If none is
24	Diagnostic Serv Sect ID	<test department=""></test>	ST						defined then the Department code of the first component test is used
25	Result Status		0.						
									F – Final – all modules. For SoftLab results, this indicates all tests for the requested procedure are
									resulted & verified. For all other results, this directly reflects result flags set in each module.
									P – Preliminary – all modules. For SoftLab results, this indicates at least one test on the requested
									procedure is not yet verified. For all other results, this directly reflects result flags set in each module.
									All SoftMic status codes are configurable including the result cancellation message.
									R – Revised Report – Micro/Genetics only.
									S – Supplemental Report – Micro/Genetics only.
25.1	Status (ORU-Results)	<result status=""></result>	ST						C – Corrected – all modules.
	B				,				Valued only if the test in OBR-4 is created as a reflex test. Valued for result-based reflex tests. Other
26	Parent Result				//	///			reflex rules may not provide a parent identity.
26.1.1	Parent Observation Identifier	-Parent test code - indiv test>	ST		/	,,,,		32	code, depending on contents of OBX-3.
20.1.1			51		//	///		52	OBX-3.2 of component test that triggered this ordered test as a reflex test. Test description may be
2612	Parent Observation ID Text	<parent name="" test=""></parent>	ST		1	///		32	based on LOINC or Local code, depending on contents of OBX-3.
20.1.2	Parent Observation ID Name of Coding		0.		- 1			02	
26.1.3	System	LN or L	ST		//	///			LN = LOINC® system. L = Local code
									OBX-3.4 of component test that triggered this ordered test as a reflex test. May be LOINC or Local
26.1.4	Parent Observation Alternate ID	<other code="" individual="" parent="" test=""></other>	ST		1	///		32	code, depending on contents of OBX-3.
									OBX-3.5 of component test that triggered this ordered test as a reflex test. Test description may be
26.1.5	Parent Observation Alternate ID Text	<other individual="" name="" parent="" test=""></other>	ST		//	////		32	based on LOINC or Local code, depending on contents of OBX-3.
	Parent Observation Name of Alternate								
26.1.6	Coding System	L or LN	ST		//	///			L = Local code, LN = LOINC® system
	Parent Observation Name of Alternate								
26.1.9	Coding System	<parent name="" test=""></parent>	ST		//	///		32	Same data as OBR-26.1.2
00.0			от		,				OBX-5 of component test that triggered this ordered test as a reflex test. No formatting. Sent as
26.3	Parent Observation Value Descriptor	<parent individual="" result="" test=""></parent>	SI		//	///			received from reference labs.
27	Quantity/IIIIIIg	Alumbor of Itomos	NIM		_	_			Null value implies questity of "1" Applies to SNL or NW/ transactions only
27.1	Quantity		INIVI						Indirivative implies quantity of 1. Applies to SN of NW transactions only.
									A.K.a. To be collected bate/Time, same value as OKC-7.4
									entered in SCC
27.4	Start Date/Time	<scheduled &="" collection="" date="" time=""></scheduled>	тѕ						Includes Timezone offset indicator
27.6	Priority	<priority></priority>	ST	+	+	\rightarrow		30	S – Stat: A – ASAP (Urgent): R – Routine: T – Timed
	Result Copies To		-			\neg			See Common Elements below, Provider Information
28	(may repeat)	<copy-to doctors=""></copy-to>							May repeat. See also PV1-8
			1			Ť			Order Numbers and associated attributes of parent ordered test when this test is a reflex. See also
29	Parent Number				//	///			ORC-31 and OBR-50 for related parent ordered test code. Valued only for Reflex Tests
29.1	Placer Identifier				//	////			

SCC Standard EHI export rel4.5.xlsx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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0	Flowert	Output	Turne				Dulas	Netes
Seq	Element	Output	туре				Rules	Notes
	MSH-9.1 Message Type			ORU				
	MSH-9.2 Event Code			R01	R01	R01		
	ORC-1 Control Code			R ?				
	Origin			Lab	Mic	Gene		
29.1.1	Placer Entity Identifier	<parent #="" order="" placer=""></parent>	ST		//	//		OBR-2.1 of parent ordered test that triggered this ordered test as a reflex test.
29.1.2	Placer Namespace ID	<parent id="" ns="" number="" placer=""></parent>	ST		//	//		OBR-2.2 of parent ordered test that triggered this ordered test as a reflex test.
29.1.3	Placer Universal ID	<parent number="" placer="" uid=""></parent>	ST		//	//		OBR-2.3 of parent ordered test that triggered this ordered test as a reflex test.
29.1.4	Placer Universal ID Type	<parent number="" placer="" type="" uid=""></parent>	ST		//	//		OBR-2.4 of parent ordered test that triggered this ordered test as a reflex test.
29.2	Filler Identifier				//	//		
29.2.1	Filler Entity Identifier	<parent "lis="" #"="" scc=""></parent>	ST		//	//		OBR-3.1 of parent ordered test that triggered this ordered test as a reflex test.
29.2.2	Filler Namespace ID	<order# id="" namespace=""></order#>	ST		//	//		OBR-3.2 of parent ordered test that triggered this ordered test as a reflex test.
2923	Filler Universal ID	<order# uid=""></order#>	ST		//	//		OBR-3.3 of parent ordered test that triggered this ordered test as a reflex test.
29.2.4	Filler Universal ID Type	ISO	ST		//	//		OBR-3.4 of parent ordered test that triggered this ordered test as a reflex test.
32	Principal Result Interpreter				_	<u> </u>		
								SCC User ID who verified the latest result
22.1.1	Common ID	-Toch ID>	ст					Constitution and PathDry SCC Listers I waite signed out the case
32.1.1		<tech id=""></tech>	OT OT	_		_		Defined in Security or period from reference labo
32.1.2	East Name	<tech eist="" names<="" td="" user=""><td>OT OT</td><td></td><td></td><td>_</td><td></td><td>Defined in Security or posted from reference labs</td></tech>	OT OT			_		Defined in Security or posted from reference labs
32.1.3	Filst Name	<tech middle="" name="" user=""></tech>	OT OT			_		Defined in Security or posted from reference labs
32.1.4	Fulliter Given Names of Initials	<tech name="" user="" wildule=""></tech>	OT OT			_		Defined in Security or posted from reference labs
32.1.5	Brofix	<tech brofix<="" td="" user=""><td>OT OT</td><td></td><td></td><td>_</td><td></td><td>Defined in Security or posted from reference labs</td></tech>	OT OT			_		Defined in Security or posted from reference labs
32.1.6	Pielix	<tech prefix="" user=""></tech>	51	+	_	_		Defined in Security of posted from reference labs
32.1.7	Degree Bringing/ Bogult Internetor	<tech oser="" professional="" sulfix=""></tech>	51	+	_	_		Defined in Security of posted from reference labs
	Assigning Authority							No ID, Oldando ID Type are defined in the Universal Identifiers table
0040	Assigning Authority	Tech/Hear AA Nemeenees ID:	OT	+	_	_		Code in both User setup in Security and the Universal identifiers table.
32.1.9	Assigning Authority Namespace ID	<tech aa="" id:<="" td="" universal="" user=""><td>51</td><td>+</td><td>_</td><td>_</td><td></td><td>Defined in Security of posted from reference labs</td></tech>	51	+	_	_		Defined in Security of posted from reference labs
32.1.10	Assigning Authority Universal ID	<tech aa="" id="" universal="" user=""></tech>	51					ISO Number (OID) or CLIA Number, defined in Security or posted from reference labs
32.1.11	Assigning Authority Universal ID Type	<tech aa="" id="" type="" universal="" user=""></tech>	ST					acceptable.
34	Technician	<tech a="" entered="" id="" last="" result="" who=""></tech>	ST					Related to OBR[22] Genetics: SCC Pathologist ID who signed out the case.
								Service Code as stored in the SoftLab database, SoftLab Order menu, Check Medical Necessity, Service Code modifiers.
45	Procedure Code Modifier	<service code="" modifiers=""></service>	ST					Service Code may repeat up to a maximum of three times.
	Filler Supplemental Service							
47	Information			//// //	/// //.	//		Valued only with Genetics results.
								Accession numbers generated for the ordered test.
								NOTE: This is a repeating field and will be repeated for every technology for the ordered test being
47.1	Identifier	<genetics accession="" number=""></genetics>	ST	//// //	/// //.	//		resulted
								Accession number identifier for the accession number in OBR-47.1.
								LAB - Laboratory; MIC - Microbiology; FLW- Flow Cytometry; MOL - Molecular; CTG - Cytogenetics;
								BIO - Biochemistry; HLA - Human Leukocyte Antigen; DXP - Diagnostic Pathology; IWS - Interpretative
47.2	Text	<technology identifier=""></technology>	ST	//// //	/// //	//		Workstation
47.3	Name of Coding System	L	ST	//// //	/// //	//		L - Local codes
		_				·		
								Test code and associated attributes of parent ordered test when this test is a reflex. Matches contents
								of ORC-31 See also OBR-29 for related parent order number. Valued only when test is a reflex
50	Parent Universal Service Identifier	<parent ordered="" test=""></parent>			//	//	31	See Common Elements below. Ordered Procedure for full structure
DG1 Se	ament							
0	IDG1	DG1	D	R C	2 //	// D		
1	Set ID - DG1		NM		× //.	//		Increments from 1 to n for each group of segments
2	Diagnosis		INIVI	+	//	//		indements nom i to mol each group of segments
Kere er	ndard Elli ovport rol/ 5 viev	1	1		//.	1	1	L Dogo S

SCC Standard EHI export rel4.5.xisx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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0	Flowert	0	Turne					Dules	Netos
Seq	Element	Output	туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
3.1	Diagnosis Code	<test code="" diagnosis="" level=""></test>	ST			////			Test Level diagnosis codes as stored in SoftLab database, SoftLab Order menu, Check Medical Necessity, Test Diagnosis.
3.2	Text	<dictionary description="" dx=""></dictionary>	ST			////			Text description of code as defined in Diagnosis setup table
3.3	Name of Coding System	<type code="" dx="" of=""></type>	ST			////			From dictionary definition. Should be defined to indicate "I9CDX"
3.7	Coding System Version ID	<dx code="" version=""></dx>	ST			////			From dictionary definition.
SPM Se	ament								
0	ISPM	SPM	ID	R	R	R	R		
1	Set ID - SPM	<counter></counter>	NM						
2	Specimen ID								
22	Filler Specimen ID								
2.2.1	Filler Specimen Number	<barcode>:<tubeid></tubeid></barcode>	ST						Concatenation of internal Tube ID and Specimen Barcode for the collection tube. System is configurable to send either Dynamic barcode or Printed barcode as Barcode.
222	Namespace ID	<0rder# Namespace ID>	ST						A constant value is defined in <i>Universal identifiers</i> for the <i>Code</i> ORDINUM representing the client/installation.
<u>L.L.L</u>		Kondel# Namespace ib>							An ISO-compliant OID is defined in <i>Universal Identifiers</i> for the <i>Code</i> ORDNUM representing the client/installation.
2.2.3	Universal ID	<order# uid=""></order#>	ST						Same data as ORC-3.3
2.2.4	Universal ID Type	ISO	ST						ISO = International Standards Organization
4	Specimen Type							29	
4.1	Identifier	<specimen code="" type=""></specimen>	ST						Code defined in <i>HIS Mapping</i> Table, <i>External Code</i> . SNOMED or HL7 codes recommended.
4.2	Text	<specimen name="" type=""></specimen>	ST						Defined in HIS Mapping Table, Description Column.
4.3	Name of Coding System	<specimen code="" system="" type=""></specimen>	ST						Defined in HIS Mapping table. Coding System. "SCT" (SNOMED) or HL7 table recommended.
4.4	Alternate Identifier	<scc code="" specimen=""></scc>	ST						Specimen Tube Type code or Micro Specimen code formerly sent in OBR-15.1
4.5	Alternate Text	<scc name="" specimen=""></scc>	ST						Defined in Specimen Tube Type setup or Micro Specimens setup
4.6	Name of Alternate Coding System	L	ST						L = Local system
		<specimen coding="" system<="" td="" type=""><td>-</td><td></td><td></td><td></td><td></td><td></td><td>Defined in HIS Mapping table Coding System Version.</td></specimen>	-						Defined in HIS Mapping table Coding System Version.
47	Coding System Version ID	Version>	ST						(Note: SNOMED version is twoically expressed as a date)
4.8	Alternate Coding System Version ID	NA	ST						NA = No versioning applicable for Local codes
49	Original Text	Specimen Type Name>	ST						Same data as above
5	Specimen Type Modifier		01						
5 1	Identifier	<specimen code="" modifier="" type=""></specimen>	ST						Code defined in HIS Manning Table External Code SNOMED or HI 7 codes recommended
5.1	Text	<specimen modifier="" text="" type=""></specimen>	ST						Defined in HIS Mapping Table, Externa Code: ONOMED OFFET Codes recommended.
5.2		<specimen coding<="" modifier="" td="" type=""><td>01</td><td></td><td></td><td></td><td></td><td></td><td></td></specimen>	01						
5.3	Name of Coding System	System>	ST						Defined in <i>HIS Mapping</i> table, <i>Coding System</i> , "SCT" (SNOMED) or HL7 table recommended.
5.4	Alternate Identifier	<scc code="" modifier="" specimen="" type=""></scc>	ST						specimen Type modifier is defined as a specimen attribute. Content of data will be dependent on Specimen Type modifier is defined as a specimen attribute. Content of data will be dependent on
5.5	Alternate Text	<scc modifier="" specimen="" text="" type=""></scc>	ST						specimen attribute definition
5.6	Name of Alternate Coding System		ST						I – I ocal system
3.0	Marine of Alternate Couling System	Specimen Type Modifier Coding	51				-		Defined in HIS Manning table Coding System Version
57	Coding System Version ID	System Version>	ST						(Note: SNOMED version is typically expressed as a date)
5.8	Alternate Coding System Version ID		ST				-		NA - No versioning applicable for Local codes
5.0	Original Text	Specimen Type Modifier Texts	ST.				-		Same data as above
6	Specimen Additives		51				-		
61	Identifier	<specimen additive="" codes<="" td=""><td>sт</td><td></td><td></td><td></td><td>-</td><td></td><td>Code defined in HIS Manning Table External Code HI 7 codes recommanded</td></specimen>	sт				-		Code defined in HIS Manning Table External Code HI 7 codes recommanded
6.2		<pre><pre>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>></pre></pre>	ST ST				-		Defined in HIS Mapping Table, External Courter, EL/ Courts recommended.
SCC Sta	andard EHI export rel4.5.xlsx		51				I	!	Page 2

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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2 an	Element	Output	Turne				Dulas	Nataa
Seq	Element	Output	туре				Rules	Notes
	MSH-9.1 Message Type			ORU				
	MSH-9.2 Event Code			R01	R01	R01		
	ORC-1 Control Code				ר ה			
	Origin			Lab	Mi2 BB	Gene		
6.3	Name of Coding System	<specimen additive="" coding="" system=""></specimen>	ST					Defined in HIS Mapping table, Coding System. "HL70371" recommended.
6.4	Alternate Identifier	<scc additive="" code="" specimen=""></scc>	ST					Specimen additive is defined as a specimen attribute. Content of data will be dependent on specimen attribute definition
								Specimen additive is defined as a specimen attribute. Content of data will be dependent on specimen
6.5	Alternate Text	<scc additive="" specimen="" text=""></scc>	ST					attribute definition
6.6	Name of Alternate Coding System	L	ST					L = Local system
		<specimen additive="" coding="" system<="" td=""><td>oT</td><td></td><td></td><td></td><td></td><td></td></specimen>	oT					
6.7	Coding System Version ID	Version>	ST					Defined in HIS Mapping Table.
6.8	Alternate Coding System Version ID		SI			_		NA = No versioning applicable for Local codes
6.9	Original Text	<specimen additive="" text=""></specimen>	SI					Same data as above.
7	Specimen Collection Method							
7.4	Identifier	Province Collection Mathed Codes	ст					Code defined in HIS Manning Table External Code SNOMED or HI 7 order recommended
7.1		<specimen code="" collection="" method=""></specimen>	OT OT		_			Code defined in HIS Mapping Table, External Code SNOWED of HL7 codes recommended.
1.2	TEXI	<specimen coding<="" collection="" method="" td=""><td>51</td><td></td><td>_</td><td></td><td></td><td></td></specimen>	51		_			
73	Name of Coding System	System>	ST					Defined in HIS Manning table Coding System "SCT" (SNOMED) or "HI 70488" recommended
7.5	Name of Ooding Oystem				_	-		Specimer Collection method code as stored with the specime/collection container
								NOTE: Specimen draw type code is defined in SSM General Soft ab Specimens Specimen Draw
74	Alternate Identifier	<specimen code="" collection="" method=""></specimen>	ST					
		SCC Specimen Collection Method						Specimen collection method text as defined in Draw Type Value column associated to the Specimen
7.5	Alternate Text	Text>	ST					Draw type stored with the specimen/collection container.
7.6	Name of Alternate Coding System	L	ST					L = Local system
-		<specimen coding<="" collection="" method="" td=""><td></td><td></td><td></td><td></td><td></td><td>Defined in HIS Mapping table Coding System Version.</td></specimen>						Defined in HIS Mapping table Coding System Version.
7.7	Coding System Version ID	System Version>	ST					(Note: SNOMED version is typically expressed as a date)
7.8	Alternate Coding System Version ID	NÁ	ST					NA = No versioning applicable for Local codes
7.9	Original Text	<specimen collection="" method="" text=""></specimen>	ST					Same data as above.
8	Specimen Source Site		1					Micro results: Site text is sent in component 9 with all other components blank.
8.1	Identifier	<specimen code="" site=""></specimen>	ST					Code defined in HIS Mapping Table, External Code. SNOMED or HL7 codes recommended.
8.2	Text	<specimen name="" site=""></specimen>	ST					Defined in HIS Mapping Table, Description Column.
8.3	Name of Coding System	<specimen coding="" site="" system=""></specimen>	ST					Defined in HIS Mapping table, Coding System. "SCT" (SNOMED) or HL7 table recommended.
								Specimen source site is defined as a specimen attribute. Content of data is dependent on specimen
8.4	Alternate Identifier	<scc code="" site="" specimen=""></scc>	ST					attribute definition.
								Specimen source site is defined as a specimen attribute. Content of data is dependent on specimen
8.5	Alternate Text	<scc name="" site="" specimen=""></scc>	ST					attribute definition. For SoftMic results shall contain the Micro site that is free text.
8.6	Name of Alternate Coding System	L	ST					L = Local system
		<specimen coding="" site="" system<="" td=""><td>oT</td><td></td><td></td><td></td><td></td><td>Defined in <i>HIS Mapping</i> table Coding System Version.</td></specimen>	oT					Defined in <i>HIS Mapping</i> table Coding System Version.
8.7	Coding System Version ID	Version>	SI					(Note: SNOMED version is typically expressed as a date)
8.8	Alternate Coding System Version ID	NA	SI					NA = No versioning applicable for Local codes
		<specimen name="" site=""> or</specimen>	oT					For micro, textual Site information is sent here as formerly sent in OBR-15.4, with no other components
8.9	Original Text	<micro site="" text=""></micro>	SI					valued.
9	Specimen Source Site Moaitier	Chaptiman Site Medifier Code	OT.	+ +	+	+		Cada defined in US Manning Table, External Cada, SNONED as UK 7 and a recommendation
9.1			SI OT	+		+	+	Defined in HIS Mapping Table, External Code. SNOWED of HL7 codes recommended.
9.2			31	+		+		
03	Name of Coding System		SТ					Defined in HIS Manning table. Coding System "SCT" (SNOMED) or HI 7 table recommended
9.5	Interne of County System		51	+	+	+	+	Specimen source site modifier is defined as a specimen attribute. Contant of data is dependent on
9.4	Alternate Identifier	<scc code="" modifier="" site="" specimen=""></scc>	ST					specimen attribute definition.
CUU C+1	andard EUI avport rol4 5 view							Page (

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Seq	Element	Output	Туре				Rul	lles	Notes
	MSH-9.1 Message Type			ORU					
	MSH-9.2 Event Code			R01		R01			
	ORC-1 Control Code								
	Origin			Lab	Mio	Gene			
9.5	Alternate Text	<scc modifier="" site="" specimen="" text=""></scc>	ST						Specimen source site modifier is defined as a specimen attribute. Content of data is dependent on specimen attribute definition.
9.6	Name of Alternate Coding System	L	ST						L = Local system
		<specimen coding<="" modifier="" site="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Defined in HIS Mapping table Coding System Version.</td></specimen>							Defined in HIS Mapping table Coding System Version.
9.7	Coding System Version ID	System Version>	ST						(Note: SNOMED version is typically expressed as a date)
9.8	Alternate Coding System Version ID	NA	ST						NA = No versioning applicable for Local codes
9.9	Original Text	<specimen modifier="" site="" text=""></specimen>	ST						Same data as above.
12	Specimen Collection Amount								
12.1	Quantity	<specimen amount="" collection=""></specimen>	NM						Amount to be collected defined in Specimen Setup
12.2.1	Units Identifier	<specimen code="" collection="" units=""></specimen>	ST						Defined in HIS Mapping Table. Unified Code for Units of Measure (UCUM) codes recommended.
12.2.2	Units Text	<specimen collection="" text="" units=""></specimen>	ST						Defined in HIS Mapping Table.
		<specimen coding<="" collection="" td="" units=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></specimen>							
12.2.3	Units Coding System	System>	ST						Defined in HIS Mapping Table. "UCUM" recommended.
		<scc collection="" specimen="" td="" units<=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Specimen collection amount is defined as a specimen attribute. Content of data is dependent on</td></scc>							Specimen collection amount is defined as a specimen attribute. Content of data is dependent on
12.2.4	Units Alternate Identifier	Code>	ST						specimen attribute definition.
									Specimen collection amount is defined as a specimen attribute. Content of data is dependent on
12.2.5	Units Alternate Text	<scc collection="" specimen="" text="" units=""></scc>	ST				_		specimen attribute definition.
12.2.6	Units Alternate Coding System	L	ST			_	_		L = Local system
		<specimen coding<="" collection="" td="" units=""><td>oT</td><td></td><td></td><td></td><td></td><td></td><td></td></specimen>	oT						
12.2.7	Units Coding System Version ID	System Version>	SI			_	_		Defined in HIS Mapping Table.
12.2.8	Units Alt. Coding System Version ID		SI				_		NA = No versioning applicable for Local codes
12.2.9		<specimen collection="" text="" units=""></specimen>	SI			_	_		Same data as above.
17	Specimen Collection Date/Time	On a simon Oalla stad D/F	TO		_	_	_		lealed a Timesee affection disease
17.1	Range Start Date/Time	<specimen collected="" d="" t=""></specimen>	15				_		Includes Timezone offset indicator
17.2	Range End Date/Time	<specimen collected="" d="" end="" t=""></specimen>	15		_	_	_		Includes Imezone offset indicator
18	Specimen Received Date/Time	<specifien 1="" d="" received=""></specifien>	15			_	-		
21	Identifier	- Specimen Rejection Research Codes	ст		_	_			Defined in UIS Manning Table. HI 7 adds as used in SCC are recommended
21.1		<specifien code="" reason="" rejection=""></specifien>	OT OT		_	_			Defined in HIS Mapping Table. HLT codes as used in SCC are recommended.
21.2	Text	<specifien coding<="" reason="" rejection="" td=""><td>31</td><td></td><td>_</td><td>_</td><td></td><td></td><td></td></specifien>	31		_	_			
21.3	Name of Coding System	System>	ST						Defined in HIS Mapping Table. "HL70490" recommended.
		<scc reason<="" rejection="" specimen="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Specimen rejection will be defined as a specimen attribute. Content of data will be dependent on specimen attribute definition. Recommened codes are the following. EX = Expired; QS = Quantity not sufficient; RB = Broken container; RC = Clotting; RD = Missing collection date; RA = Missing patient ID number; RE = Missing patient name; RH = Hemolysis; RI = Identification problem; RM = Labeling; RN = Contamination; RP = Missing phelootomist ID; RR =</td></scc>							Specimen rejection will be defined as a specimen attribute. Content of data will be dependent on specimen attribute definition. Recommened codes are the following. EX = Expired; QS = Quantity not sufficient; RB = Broken container; RC = Clotting; RD = Missing collection date; RA = Missing patient ID number; RE = Missing patient name; RH = Hemolysis; RI = Identification problem; RM = Labeling; RN = Contamination; RP = Missing phelootomist ID; RR =
21.4	Alternate Identifier	Code>	ST						Improper storage; RS = Name misspelling
		<scc reason<="" rejection="" specimen="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>Specimen rejection will be defined as a specimen attribute. Content of data is dependent on specimen</td></scc>							Specimen rejection will be defined as a specimen attribute. Content of data is dependent on specimen
21.5	Alternate Text	Text>	ST						attribute definition.
21.6	Name of Alternate Coding System	L	ST						L = Local system
		<specimen coding<="" reason="" rejection="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></specimen>							
21.7	Coding System Version ID	System Version>	ST						Defined in HIS Mapping Table.
21.8	Alternate Coding System Version ID	NA	ST						NA = No versioning applicable for Local codes
21.9	Original Text	<specimen reason="" rejection="" text=""></specimen>	ST						Same data as above.
24	Specimen Condition								
24.1	Identifier	<specimen code="" condition=""></specimen>	ST						Defined in HIS Mapping Table . HL7 codes as used in SCC are recommended.
24.2	Text	<specimen condition="" text=""></specimen>	ST						Defined in HIS Mapping Table.

SCC Standard EHI export rel4.5.xlsx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			OR OR	D G	0R	OR		
				ĉ	ΞĊ	É I	ĉ		
	MSH-9.2 Event Code			R01	RO1	R01	R01		
	ORC-1 Control Code			RE		RF	RE		
					_	_	ര		
	Origin			ab	5 0	BB	iene		
24.3	Name of Coding System	<specimen coding="" condition="" system=""></specimen>	ST						Defined in HIS Mapping Table. "HL70493" recommended.
									Code for Condition captured for each specimen during collection.
			oT						AUI = Autolyzed; CLOI = Clotted; CON = Contaminated; COOL = Cool; FROZ = Frozen; HEM =
24.4	Alternate Identifier	<scc code="" condition="" specimen=""></scc>	ST	+ $+$					Hemolyzed; LIVE = Live; ROOM = Room Temp; SNR = Sample Not Received
			oT						Specimen condition is defined as a specimen attribute. Content of data is dependent on specimen
24.5	Alternate Text	<scc condition="" specimen="" text=""></scc>	ST	+ $+$					attribute definition.
24.6	Name of Alternate Coding System		SI						L = Local system
		<specimen coding="" condition="" system<="" td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></specimen>							
24.7	Coding System Version ID	Version>	ST						Defined in HIS Mapping Table.
24.8	Alternate Coding System Version ID	NA	ST	+ $+$					NA = No versioning applicable for Local codes
24.9	Original Text	<specimen condition="" text=""></specimen>	ST						Same data as above.
	Common Elements with	h subfields							
	Provider Information								Elements marked with * are sent in OBX-25 as posted with Reference Lab results.
f.1	Physician Code	<doctor npi=""></doctor>	ST					27.28	Doctor NPI number as seen in SoftLab Doctor setup files. *
f.2	Physician Last Name	<doctor last="" name=""></doctor>	ST					,	φ
f.3	Physician First Name	<doctor first="" name=""></doctor>	ST						φ
f 4	Physician Middle Name	<doctor middle="" name=""></doctor>	ST						φ
f 5	Physician Name Suffix	<doctor name="" suffix=""></doctor>	ST			_			φ
f.6	Physician Name Prefix	<doctor title=""></doctor>	ST						φ
f.8	Physician Code	<scc code="" doctor=""></scc>	ST	A A		\ .	Δ	27 28	15-character SCC primary Doctor ID as defined in Softl ab Doctor Setup files
1.0			01	<u>,, , , , , , , , , , , , , , , , , , ,</u>	. /	<u> </u>		21,20	NS ID IID and IID type are defined in the <i>Universal Identifiers</i> table and are linked to a matching
	Provider ID Assigning Authority								Code in both Doctors setup and the Universal Identifiers table
f 9 1	Assigning Authority Namespace ID	<doctor aa="" id="" ns=""></doctor>	ST		-				
f 0 2	Assigning Authority Universal ID		ST		-				L' USO Number (OID) or CLIA Number or other identifier @
1.0.2			01		-				ISO = International Standards Organization: CI IA = CI IA number: I = local code: others are
f Q 3	Assigning Authority Universal ID Type		ST						
f 10	Name Type Code		ST		-				Configured to reflect the type of name used $ \mathbf{L} = \mathbf{L}$ and name: $\mathbf{D} = \mathbf{D}$ is play name
1.10			01		-	-			Configured to reflect the type of manie used. L = Legar name, D = Display name
f 13	Identifier Type Code	<type code=""></type>	ST						Reflects the type of code sent in subfield 1 DN – Doctor number (locally defined): NPI – NPI code
1.10	Provider ID Assigning Facility		01		-				
f 14 1	Assigning Facility Namespace ID	<doctor ae="" id="" ns=""></doctor>	ST		-				φ
f 14 2	Assigning Facility Universal ID		ST		-				
f 14 3	Assigning Facility Universal ID Type		ST		-				
f 21	Professional Suffix	<scc doctor="" pro="" suffix=""></scc>	ST		-				
1.21	Phone Number - Up to 5 repetitions	as applicable to the field - Phone num	ber if av	ailabl	a 01	the	rwie	e e-mai	
	Those Number - Op to 5 repetitions			Vanabi	2, 01	linei		se e-mai	Based on database field as described for each element
									DRN - Primary Phone: ORN - Other Phone: WPN - Business Phone: RPN - Pager Number: NET -
f[n] 2	Telecommunication Lise Code	<use code=""></use>	П						
1[1].2	Telecommunication Ose Code			+ $+$	-	-			If Use Code represents a phone, as stored in Equipment Type field:
									PH - Telenhone: FX - Fax: MD - Modem: CP - Cellular Phone: RD - Reener
ffn1 2			sт						If Use Code represents e-mail (NET): Internet - Internet Address
f[n] 4			ST	+	_	+			ampty for phone number //se Codes PRN_ORN_WPN_RPN
f[n] 5		-Chail duress	ST	+	_	+			amply for phone number use uses i this, users, being the final second and the second s
f[n] 6	Area Code	<phone #="" area="" code=""></phone>	ST	+ +	+	-		5	amply for Use Code NET
1111.0			01	1 1				0	

SCC Standard EHI export rel4.5.xlsx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			ᇛ		RE	RE		
	Origin			Lab	Mic	BB	Gene		
f[n].7	Local Phone Number	<phone #="" #,="" local=""></phone>	ST					5	empty for Use Code NET
f[n].8	Extension	<phone #,="" extension=""></phone>	ST						empty for Use Code NET
f[n].9	Text	<comment></comment>	ST						
	Ordered Procedure (OBR-4, ORC-31, 0	OBR-50)							
		<loinc -="" code="" ordered="" test=""> or <scc< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>LOINC code as defined in SoftLab Test Setup. If no LOINC code is defined, the test code to be sent in</td></scc<></loinc>							LOINC code as defined in SoftLab Test Setup. If no LOINC code is defined, the test code to be sent in
f.1	Universal Service Identifier (LOINC)	Code - ordered test>	ST	RF	RF	R	R	31	OBR-4.4 is sent here.
		<loinc name=""> or</loinc>							Name as defined in LOINC dictionary. If no LOINC code is defined, SCC test name is mapped to be
f.2	Universal Service Text	<scc name="" test=""></scc>	ST						sent here.
	Name of Universal Service Coding								
f.3	System	LN or L	ST	A A	A A	A .	A		LN = LOINC® system; L = Local system
f.4	Alternate Universal Service Identifier	<scc -="" code="" ordered="" test=""></scc>	ST	A A	۹ A	A J	A	31	SCC primary code for the ordered test or procedure as defined in Test Setup dictionaires.
f.5	Alternate Universal Service Text	<scc name="" test=""></scc>	ST						
f.6	Name of Alternate Coding System	L	ST	A A	۹ A	A J	A		L = Local system
f.7	Coding System Version ID	<loinc version=""></loinc>	ST						As defined in LOINC dictionary
f.8	Alternate Coding System Version ID	NA	ST	A A	۹ A	A J	A		NA = No versioning applicable for Local codes
		<loinc name=""> or</loinc>							
f.9	Universal Service Text	<scc name="" test=""></scc>	ST						Same data as OBR-4.2
	Individual Test Components (OBX-3)								
			oT						LOINC code is captured from the LOINC field in Test setup when the test is performed in-house and
OBX-3.1	Universal Service Identifier	<loinc -="" code="" component="" test=""></loinc>	SI					32	captured with reference lab results when the test was performed by a reference lab.
OBX-3.2	Universal Service Text	<loinc name=""></loinc>	SI		_				As defined in LOINC dictionary.
OBX-3.3	Name of Coding System	LN	SI	A A	<u> </u>	A I	A		
OBX-3.4	Alternate Universal Service Identifier	<scc -="" code="" component="" test=""></scc>	SI	A A	<u>م</u> ۲	A /	A	32	SCC primary code for the individual test as defined in 1 est Setup dictionaires.
OBX-3.5	Alternate Universal Service Text	<scc name="" test=""></scc>	SI				•		
OBX-3.6	Name of Alternate Coding System		SI	A A	<i>۲</i>	A /	A		
OBX-3.7	Coding System Version ID	<loinc version=""></loinc>	SI			^			From LOINC dictionary
OBX-3.8	Alternate Coding System Version ID	NA	51	A A	<i>۲</i>	A /	A		NA = No versioning applicable for Local codes
OBX-3.9	Universal Service Text	<loinc name=""></loinc>	SI						Same data as OBX-3.2
	Performing Organization Information								Based on database dictionary elements for in-house tests. As received and posted with results from reference labs.
23.1	Performing Organization Name	<individual location="" name="" test=""></individual>	ST						
	Performing Organization Name Type								Options are:
23.2	Code	<individual location="" name="" test="" type=""></individual>	ST	A A	A A	A J	A		A = Alias name; D = Display name; L = Legal name
									NS ID, UID, and UID Type are defined in the <i>Universal Identifiers</i> table and are linked to a matching
	Performing Org Assigning Authority		ST						Code for Performing Organization in both Location setup and the Universal Identifiers table.
23.6.1	Assigning Authority Namespace ID	<performing aa="" id="" ns="" org=""></performing>	ST						
23.6.2	Assigning Authority Universal ID	<performing id="" org="" universal=""></performing>	ST						ISO Number (OID) or CLIA Number or other identifier.
									ISO = International Standards Organization; CLIA = CLIA number; L = local code; others are
23.6.3	Assigning Authority Universal ID Type	<performing org="" type="" uid=""></performing>	ST						acceptable.
	Performing Organization Identifier Type			$ \top$	Т	T			
23.7	Code	XX	ST	A A	A A	A J	A		XX = Organization Identifier
23.10	Performing Organization Identifier	<individual code="" location="" test=""></individual>	ST		T				
									Based on database dictionary elements for in-house tests.
	Performing Organization Address								As received and posted with results from reference labs.
24.1.1	Street or Mailing Address line 1	<location 1="" address="" street=""></location>	ST						Location Setup Address line 1

SCC Standard EHI export rel4.5.xlsx

Common Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Element	Output	Туре					Rules	Notes
	MSH-9.1 Message Type			ORU	ORU	ORU	ORU		
	MSH-9.2 Event Code			R01	R01	R01	R01		
	ORC-1 Control Code			RE	RE	RE	RE		
	Origin			Lab	Mic	BB	Gene		
24.2	Street or Mailing Address line 2	<location 2="" address="" street=""></location>	ST						Location Setup Address line 2
24.3	City	<location city=""></location>	ST						Location Setup City
24.4	State or Province	<location state=""></location>	ST						Location Setup State
24.5	Zip Code	<location zip=""></location>	ST						Location Setup Zip
24.6	Country Code	<location country=""></location>	ST						Location Setup Country
									Options are:
24.7	Address Type	<location address="" type=""></location>	ST	A	A	A	А		B = Firm/Business; L = Legal Address; M = Mailing; O = Office; P = Permanent
24.9	County Code	<location county=""></location>	ST						Location Setup County

Rev:	170.315(b)(10) HL7 R	esult Reporting for EH	l Expo	ort	, r€	elease	4.5	
1.0	Result Segments							
Seq	Data Element	Output	Type			Rules	Notes (Discrete Lab)	Notes (Discrete BB)
	MSH-9.1 Message Type	output		ORU	ORL			
	MSH-9.2 Event Code			RO	RO			
	ORC-1 Control Code			1 R	1 R			
				m L	m B			
	Oligin			Ъ	ΰ			
OBX	Segment	ORY		D	D			
0			ID NIM	ĸ	ĸ			
1	Set ID = OBA	<counter></counter>	INIVI	-			ST = string data	
							NM = Numeric	
2	Value Type	'ST' or 'NM' or 'TX' or 'CWE'	ID	R	R		CWE = Coded Element	TX = Textual data
							See Common Elements, Individual Test Components	See Common Elements, Individual Test Components
3	Observation Identifier	<test id=""></test>				31	Represents Individual Test	Represents Test, Product, or Action
							Unique index (from 1) to be used when Observation	Unique index (from 1) to be used when Observation
							identifiers (OBX-3 values) repeat within a series of OBX	identifiers repeat within a series of OBX segments
4	Observation Sub-ID	<counter></counter>	ST				segments	(Products, Actions)
5	Observation Value - ST, TX types							
						6, 11, 12,	Non-numeric, non-coded (non-NM, non-CWE) results.	Includes BB Short Comment
5.1	Observation Value	<test result=""></test>	ST	А		20, 33	This field supports use of HL7 Escape sequences.	This field supports use of HL7 Escape sequences.
							SN form is not used.	
	Observation Value - NM type (SN						Numeric results with comparitors and symbolic	
5	is not used)				////	1	separators are sent as ST-type.	Not Used
- 4	Number				,,,,,			NI-611
5.1	Number	<numeric result="" symbols="" test="" with=""></numeric>	INIVI	A	////		Numeric result including sign character -, +	Not Used
							All lab results that are defined in Test Setup as Coded	
							type are assumed to contain codes as results and are	
5	Observation Value - CWE-type				////		sent as CWE type. SNOMED coding system is used.	Not Used
-				1			A SNOMED code or other coded value as entered as the	
5.1	Identifier	<result code=""></result>	ST	R	////		result.	Not Used
							Textual description of the code as defined in SNOMED	
5.2	Text	<result (uc)="" text=""></result>	ST		////		Codes table.	Not Used
5.3	Name of Coding System	<result (uc)="" coding="" system=""></result>	ST		////		Coding system as defined in SNOMED Codes table.	Not Used
		<result coding="" system="" td="" version<=""><td></td><td></td><td></td><td></td><td></td><td></td></result>						
5.7	Coding System Version ID	(UC)>	ST		////		Date value as defined in SNOMED Codes table.	Not Used
5.9	Original Text	<result (uc)="" text=""></result>	ST	_	////		Same data as OBX-5.2	Not Used
6	Units			_	////		I hairman and for write defined in 140 Manufacture	Not Used
							Universal code for Units defined in <i>HIS Mapping</i> table.	
							recommended	
61	Units Identifier	<units (uc)=""></units>	ST		////		Ref lab tests: sent as received	Not Used
				1			Defined in HIS Mapping table	·····
62	Linits Text	<1 Inits Text (LIC)>	ST		,,,,,		Ref lab tests: sent as received	Not Lised
5.2			0.	+	,,,,,			
							Defined in HIS Mapping Table "UCUM" recommended	
6.3	Units Coding System	<units (uc)="" coding="" system=""></units>	ST		////		Ref lab tests: sent as received.	Not Used
6.4	Units Alternate Identifier	<scc units=""></scc>	ST	1	////		Code for units defined in Test setup.	Not Used
65	Units Alternate Text	<units text=""></units>	ST	1	////		Value defined in SSM setup	Not Used

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Seq	Data Element	Output	Туре			Rules	Notes (Discrete Lab)	Notes (Discrete BB)
	MSH-9.1 Message Type			ORU	ORU			
	MSH-9.2 Event Code			R01	R01			
	ORC-1 Control Code			RE	RE			
	Origin			Lab	BB			
6.6	Units Alternate Coding System	L	ST		////		L = Local system	Not Used
							Defined in HIS Mapping Table . Ref lab tests: sent as	
6.7	Units Coding System Version ID	<units (uc)="" coding="" system="" version=""></units>	ST		////		received.	Not Used
6.8	Units Alt. Coding System Version ID	NA	ST		////		NA = No versioning applicable for Local codes	Not Used
							text or <lower> - <upper></upper></lower>	
-	Deferre Den ve		от			<u> </u>	Ret lab tests: sent as received.	NetHerd
<u> </u>	Abaermal Flore	<reference range=""></reference>	SI		////	6	This field supports use of HL7 Escape sequences.	Not Used
0	ADHOLIHAL Flags $(HI 7 \sqrt{2} 5 4)$,,,,,			
U			+	-	////		Universal code for flags defined in HIS Manning table	
I							HI 7 codes recommended	Universal code for flags defined in HIS Mapping table
8.1	Abnormal Flags ID	<abnormal (lic)="" flags=""></abnormal>	ST		,,,,,		Ref lab tests: sent as received	HI 7 codes recommended
0.1	Abhomar rags ib		01		,,,,,		Defined in HIS Mapping Abnormal Flags table	
82	Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST		////		Ref lab tests: sent as received	Defined in HIS Mapping Abnormal Flags table
0.2			0.				Defined in HIS Mapping Table ."HL70078"	
		<abnormal coding="" flags="" system<="" td=""><td></td><td></td><td></td><td></td><td>recommended.</td><td>Defined in HIS Mapping Table ."HL70078"</td></abnormal>					recommended.	Defined in HIS Mapping Table ."HL70078"
8.3	Name of Coding System	(UC)>	ST		////		Ref lab tests: sent as received.	recommended.
8.4	Alternate Identifier	<scc abnormal="" flags=""></scc>	ST		////	34	A subset of HL7 standard codes	A subset of HL7 standard codes
8.5	Alternate Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST		////	-	Same data as OBX-8.2.	Same data as OBX-8.2.
8.6	Name of Alternate Coding System	L	ST		////		L = Local system	L = Local system
	3.,	<abnormal coding="" flags="" system<="" td=""><td>-</td><td></td><td></td><td></td><td>Defined in HIS Mapping Table.</td><td></td></abnormal>	-				Defined in HIS Mapping Table.	
8.7	Coding System Version ID	Version (UC)>	ST		////		Ref lab tests: sent as received.	Defined in HIS Mapping Table.
0 0	Alternate Coding System Version ID	NA	ст		,,,,,			NA Ne versioning applicable for Local codes
0.0	Alternate Couling System Version ID	NA	31		////		NA = No versioning applicable for Local codes	NA = No versioning applicable for Local codes
	Observation Result Status						P - Pending	P - Pending
1							F - Final	F - Final
							C - Correction	Y - Cancelled
11 1	Status	-Posult Status	ст	^	^		X Cancelled	
1/	Date/Time of the Observation		TS	~	^	22	Includes timezone indicator	Status Date/Time
15	Producer's ID	<performing code="" site=""></performing>	ST			35		
16	Responsible Observer		01			00		
16.1	Common ID	<tech entered="" id="" result="" the="" who=""></tech>	ST				SCC User ID	SCC User ID
17	Observation Method		-					
							Code defined HIS Mapping table. No specific coding	Code defined HIS Mapping table. No specific coding
							system recommended.	system recommended.
17.1	Method Identifier	<observation code="" method=""></observation>	ST				Ref lab tests: sent as received.	Ref lab tests: sent as received.
							Text defined HIS Mapping table.	Text defined HIS Mapping table.
17.2	Text	<observation (uc)="" method="" text=""></observation>	ST				Ref lab tests: sent as received.	Ref lab tests: sent as received.
		<observation coding="" method="" system<="" td=""><td></td><td></td><td></td><td></td><td>Defined in HIS Mapping, Coding System.</td><td>Defined in HIS Mapping, Coding System.</td></observation>					Defined in HIS Mapping, Coding System.	Defined in HIS Mapping, Coding System.
17.3	Name of Coding System	(UC)>	ST				Ref lab tests: sent as received.	Ref lab tests: sent as received.
		<observation coding="" method="" system<="" td=""><td></td><td></td><td></td><td></td><td>Defined in HIS Mapping, Coding System Version.</td><td>Defined in HIS Mapping, Coding System Version.</td></observation>					Defined in HIS Mapping, Coding System Version.	Defined in HIS Mapping, Coding System Version.
17.7	Coding System Version ID	Version (UC)>	ST				Ref lab tests: sent as received.	Ref lab tests: sent as received.
19	Resulted Date/Time	<result date="" time="" verified=""></result>	TS				Verified Date/Time	Verified Date/Time
	Performing Organization						See Common Elements, Performing Organization	See Common Elements, Performing Organization
23	Information	<location info=""></location>	1				Ref lab tests: sent as received	Information
SCC S	Standard EHI export rel4.5.xls	X					····· ··· ···· ··· ···	Page

Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation. Results

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Seq	Data Element	Output	Туре			Rules	Notes (Discrete Lab)	Notes (Discrete BB)
				ç	ç			
	Non-9.1 Wessage Type			ĉ	ĉ			
	MSH-9.2 Event Code			R01	R01			
	ORC-1 Control Code			RE	RE			
	Origin			Lab	BB			
				-			See Common Elements, Performing Organization	
							Address	See Common Elements, Performing Organization
24	Performing Organization Address	<location address=""></location>	'				Ref lab tests: sent as received.	Address
	Performing Organization Medical						Based on setup	See Common Elements, Provider Information
25	Director	<location doctor=""></location>					Ref lab tests: sent as received.	Based on setup.
OBX S	Segment (OBX(B)) Used	for transmitting product detail	s as di	iscr	ete	results		
0	OBX	OBX	ID	////	R		Not Used	
1	Set ID – OBX	<counter></counter>	NM	////			Not Used	
2	Value Type	"ST"	ID	////	R		Not Used	ST
								See Common Elements, Individual Test Components
3	Observation Identifier	<test id=""></test>	<u> </u>	////		31	Not Used	Represents Product or Action
								Index (from 1:01) reflecting Sub-ID of parent OBX
								followed by a unique 2-digit counter.
4	Observation Sub-ID	<counter></counter>	ST			0 40 44	Not Used	Separator character (":") is optional and configurable.
5	Observation Value	<test result=""></test>	ST		A	6, 12, 14	Not Used	This field supports use of HL7 Escape sequences.
0	Units		'	////			Not Used	Universal and for units defined in HIS Manning table
								Unified Code for Units of Measure (UCLIM) codes
6 1	Linits Identifier	<linits (lic)=""></linits>	ST	,,,,,			Not Lised	recommended
6.2	Units Text	<units (uc)="" text=""></units>	ST	////			Not Used	Defined in HIS Manning table
0.2			0.	,,,,,				
6.3	Units Coding System	<units (uc)="" coding="" system=""></units>	ST	////			Not Used	Defined in HIS Mapping Table "UCUM" recommended.
6.4	Units Alternate Identifier	<scc units=""></scc>	ST	////			Not Used	Code for units defined in Test setup.
6.5	Units Alternate Text	<units text=""></units>	ST	////			Not Used	Value defined in SSM setup.
6.6	Units Alternate Coding System	L	ST	////			Not Used	L = Local system
6.7	Units Coding System Version ID	<units (uc)="" coding="" system="" version=""></units>	ST	////			Not Used	Defined in HIS Mapping Table .
6.8	Units Alt. Coding System Version ID	NA	ST	////			Not Used	NA = No versioning applicable for Local codes
								P - Pending
								F - Final
11	Observation Result Status	<result status=""></result>	ST	////			Not Used	X - Cancelled
14	Date/Time of the Observation	<observation date="" time=""></observation>	TS	////		22	Not Used	
15	Producer's ID	<performing code="" site=""></performing>	ST	////		35	Not Used	
16	Responsible Observer		0				Not Used	
16.1	Common ID Resulted Date/Time	<1 ech ID who entered the result>	51				Not Used	Not Used
19	Resulted Date/Time	<result date="" i="" me="" verified=""></result>	15	////				
NIES	segment							
0			<u>טו</u>	к	к			
1	Set ID - NTE	<counter></counter>	NM	٨	٨		Increments from 1 to n for each group of segments	Increments from 1 to n for each group of segments
2			51	А	А			
1								
	Commont Tout	-commont tout	ту			6 7 04	Line of comment. May be blank if user enters blank lines.	Line of comment. May be blank if user enters blank lines.
3			1.7	<u> </u>		0, 7, 21	This lield supports use of HL7 Escape sequences.	This held supports use of HL7 Escape sequences.

SCC Standard EHI export rel4.5.xlsx

Seq	Data Element	Output	Туре			Rules	Notes (Discrete Lab)	Notes (Discrete BB)
	MSH-9.1 Message Type			ORU	ORU			
	MSH-9.2 Event Code			R01	R01			
	ORC-1 Control Code			RE	RE			
	Origin			Lab	BB			
4.1	Identifier	RE	ID	A	A		RE = Remark - all comments are characterized as remarks	RE = Remark - all comments are characterized as remarks
4.2	Text	Remark	ST	A	А			
4.4	Alternate Identifier	<comment identifier="" type=""></comment>			<u>A</u>		ICOW = Test Comment DCKF = Delta Checking Failure LPNV = Low Panic Value HPNV = High Panic Value LANV = Low Abnormal Value HANV = High Abnormal Value HANV = High Abnormal Value HABV = Low Absurd Value RFRM = Multiline Reference Range RRNG = Multiline Reference Range (old RFL tag) ELSG = *Electronic Signature (Path Review) RCMS = Result field with Canned Message Code FCOM = Result comments (not generated from canned message in the result field) RMOD = Corrected Results text DMOD = Demographic Update MODCOT = Corrected Result Comments text. CALLED = Called text	RMOD = Corrected Results text
4.6	Name of Alternate Coding System	L 2.5.1	ST	A	A		L = Local code. Primary codes are locally defined codes.	L = Local code. Primary codes are locally defined codes.
4.8	AlternateCoding System Version ID	NA	ST	A	A		NA = No versioning applicable for Local codes	NA = No versioning applicable for Local codes

Cell: AD14

Comment: OBX-4, Blood Bank results:

When sending Blood Bank Product results OBX-4 can be:

- a) The BB Product Sequence #. The same sequence # is sent for Product segments and Expanded Discrete segments.
- b) The BB Product Sequence # for Product segments and the BB Product Sequence # plus a 2-digit counter for Expanded Discrete segments. Note: Delimiters like ':' or '-' can be inserted.
- c) The UBP ((DonationNumber)-(ISBT ProductCode)).

Cell: AC16

Comment: OBX-5, Lab results:

When configured to send cancellation as a result event upon cancellation all the components of a group test and OBX[11] will be valued with an "X".

Cell: AD16

Comment: OBX-5, Blood Bank results:

SoftBank Discrete Long Text Style for Discrete, Hybrid, and OBX Report forms of results: OBX[5] is formatted as lines of the printed report, each line containing:

Tests: Test Name, Interpretation, Short Comment, Status date/time

Products: Product Name, Unit #, Status, Status date/time

Actions: Action Name, Lot #, Status, Status date/time

SoftBank Discrete Short Text Style for Discrete and Hybrid forms of results: OBX[5] is formatted as a long string, each line containing:

Tests: Test Interpretation

Products: Unit # and Status Actions: Lot # and Status

SoftBank Discrete Extended Style for Discrete form of results: OBX[5] is formatted as a long string, each line containing: Tests: Test Interpretation

Products: Unit # and Status Actions: Lot # and Status

Cell: AE16

Comment: OBX-5, OBX-Report format:

OBX[5] in OBX-Report format may be sent as null to reflect blank lines in the report. SoftBank results sent in OBX-Report format will adhere to Discrete Long Text Style. Format of this field (Option 25) affects all other text data sent in NTE Report segments and DSP segments.

Cell: AC41

Comment: OBX-7, Lab Results:

Reference ranges as stored with the results derived from SoftLab Individual Test Setup, Ranges, Age Ranges, or as stored from reference labs..

Cell: AC47

Comment: OBX-8.4: HL7 Abnormal Flags that are used are: L - Low result LL - Critical (Panic) or Absurd Low H - High result HH - Critical (Panic) or Absurd High A - Abnormal (alphanumeric only)

AA - Critical or Absurd (alphanumeric only)

Cell: AD47 Comment: OBX-8.4: HL7 Abnormal Flags that are used are: SCC StandardoErtal (expantimeli4.5nx)Sx Results Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation. Cell: AC53

Comment: OBX-11:

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: AD74

Comment: OBX-4, Blood Bank expanded components:

A series of products will all be sent with the same series of test codes representing product type, unit number, blood type, etc.

The Observation Sub-ID creates a unique ID for a given test for a given product. Once a Sub-ID has been assigned to a test/product, the same Sub-ID will be utilized in all subsequent result messages. The Sub-ID along with the observation ID should be utilized to update the appropriate result in the foreign system.

A separator character between Parent Sub-ID and Product Detail counter (such as ":") is optional and configurable.

Cell: AC143

Comment: URD-3.1, Display results:

MRN may be stored in SCC databases with an internal prefix. This prefix is usually stripped from the MRN before messages are sent. If a checksum character was stored as a suffix to the MRN, it is no longer distinguishable from the MRN and will be sent with outbound messages. See Option 1.

MRN may be stored in SCC databases with or without leading zeros received with inbound messages. If stripped of leading zeros, the MRN may be returned to a fixed length with outbound messages by prefixing with leading zeros to a fixed length. See option 2.

Cell: AC144

Comment: URD-3.2, Display results:

Billing Number may be stored in SCC databases with an internal prefix. This prefix is usually stripped from the Billing Number before messages are sent. See Option 3. Billing Number may be stored in SCC databases with or without leading zeros received with inbound messages. If stripped of leading zeros, the Billing Number may be returned to a fixed length with outbound messages by prefixing with leading zeros to a fixed length. See Option 4.

Cell: AC153

Comment: URD-7.1, Display results:

F - Final - all modules. For SoftLab results, this indicates all tests for the requested procedure are resulted & verified. For all other results, this directly reflects result flags set in each module.

P - Preliminary - all modules. For SoftLab results, this indicates at least one test on the requested procedure is not yet verified. For all other results, this directly reflects result flags set in each module.

All SoftMic status codes are configurable including the result cancellation message.

R – Revised Report – SoftPath only.

S - Supplemental Report - SoftPath only.

C – Corrected – SoftPath only.

Cell: AC154

Comment: URD-7.2, Display results:

Example: Three iterations of a Preliminary report followed by a Supplemental report would be sent with URD[7] valued as:

P^a 1st copy of Preliminary report

P^b 2nd copy of Preliminary report

P^c 3rd copy of Preliminary report

S^a 1st copy of Supplemental report

Rev:	170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5										
1.0	Discrete Micro Result Segments										
Sea	Data Element	Output	Type		Rules	Micro Type I					
Jey		Output	туре	0	Rules						
	MSH-9.1 Message Type			RC							
	MOLLO D Event Onda			R							
	MSH-9.2 Event Code			2							
	ORC-1 Control Code			R							
	Origin			S							
OBY	Sogmont (OBX(B)) Gonorated Test (beoryations		C							
	Segment (OBX(F)) Generated Test C			D							
0		OBA		ĸ							
1	Set ID – OBX	<counter></counter>	NM								
2	Value Type	<result type=""></result>	U	к		IX = 1 ext Results					
з	Observation Identifier	-Test ID>	sт	Δ	32	Represents Micro Test					
5			51	<u>^</u>	52	Micro procedure-specific comments					
5	Observation Value	<result data=""></result>	тх	А	6	This field supports the use of HL7 escape sequences					
		'A^Abnormal' or				A = Abnormal (Sig Occ + flag is set)					
8	Abnormal Flags	'AA^Critical'	ST		18	AA = Critical (Sig Occ ++ flag is set)					
						Status of the single component test result from which the organism was isolated					
						P - Preliminary or Interim					
						F - Filial					
						C - Collecteu					
11	Observation Result Status	-Result Status	sт	Δ		Y - Cancelled					
	Observation Result Status		51	<u>^</u>		+ = Significant Occurrence					
13	User Defined Access Checks	<significant flag="" occurrence=""></significant>	ST		18	++ = Significant Occurrence					
14	Date/Time of the Observation	<observation date="" time=""></observation>	TS		22	Includes Timezone indicator					
15	Producer's ID	<performing code="" site=""></performing>	ST		35	As defined by SoftMic					
19	Date/Time of the Analysis	<status date="" time=""></status>	TS			Includes Timezone indicator					
23	Performing Organization Information	<location info=""></location>				See Common Elements, Performing Organization Information					
24	Performing Organization Address	<location address=""></location>				See Common Elements, Performing Organization Address					
						See Common Elements, Provider Information					
						Based on a single doctor code entered in Location Setup for in-house tests.					
25	Performing Organization Medical Director	<location doctor=""></location>				As received and posted with results from reference labs.					
OBX	Segment (OBX(E)) Micro Exam Obse	ervations									
0	OBX	OBX	ID	R							
1	Set ID – OBX	<counter></counter>	NM	_		Increments for all OBX segments subordinate to an OBR					
2	Value Type	<result type=""></result>	ID	к		TX = Text Results					
2	Observation Identifier	-Test ID>		Δ	32	Represents Micro Test					
3				^	52	Micro exam/procedure specific comments					
5	Observation Value	<result data=""></result>	NM	А	6	This field supports the use of HL7 escape sequences					
-		'A^Abnormal' or			-	$\mathbf{A} = \text{Abnormal (Sig Occ + flag is set)}$					
8	Abnormal Flags	'AA^Critical'	ST		18	AA = Critical (Sig Occ ++ flag is set)					
						Status of the single component test result from which the organism was isolated					
						P - Preliminary or Interim					
						F - Final					
						C- Corrected					
						I - Incomplete; results pending (no status entered)					
11	Observation Result Status	<result status=""></result>	SI	A		X - Cancelled					
13	Liser Defined Access Checks	-Significant Occurrence Flags	ST		18	$\tau = \text{Significant Occurrence}$					
14	Date/Time of the Observation	<pre> Conservation Date/Times </pre>	TS	+	22	Includes Timezone indicator					
L			.0	1	1						

SCC Standard EHI export rel4.5.xlsx

Interface Specification

Seq	Data Element	Output	Туре		Rules	Micro Type I
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			Mic		
15	Producer's ID	<performing code="" site=""></performing>	ST	.,	35	As defined by SoftMic
19	Date/Time of the Analysis	<status date="" time=""></status>	TS			Includes Timezone indicator
23	Performing Organization Information	<location info=""></location>				See Common Elements. Performing Organization Information
24	Performing Organization Address	<location address=""></location>				See Common Elements. Performing Organization Address
	· · · · · · · · · · · · · · · · · · ·					See Common Elements. Provider Information
						Based on a single doctor code entered in Location Setup for in-house tests.
25	Performing Organization Medical Director	<location doctor=""></location>				As received and posted with results from reference labs.
OBX	Segment (OBX(O)) Organism/Isolate	Identification				
		OBX	D	R		
1	Set ID - OBX		NM	IX.		Increments for all OBX segments subordinate to an OBR
2	Value Type			R		CWE - Coded Element
2	value Type	GWL		IX.		See Common Flements Individual Test Components
2	Observation Identifier	<test id=""></test>		Δ	32	Represents Micro Test
4	Observation Sub ID	< Creanism Numbers	NIM	^	17	Numeric index (from 1) used to identify organism number
- 5	Observation Value		INIVI	^	17	
5						A SNOMED and a conditional butthe alignst. If we SNOMED and a in defined, the averaging and to
E 4	Identifier	<organism (uc)="" id=""> or</organism>	ст			A SNOMED code, as defined by the client. If no SNOMED code is defined, the organism code to
5.1	Identilier	<scc id="" organism=""></scc>	51			De sent in OBA-5.4 is sent nere.
5.0	Taut	<organism (uc)="" name=""> or</organism>	OT			lextual description of the code as defined in SNOMED Code Dictionary. If no SNOMED code is
5.2	l ext	<scc name="" organism=""></scc>	SI			defined, SCC organism name is sent here.
5.3	Name of Coding System	<coding (uc)="" system=""> or 'L'</coding>	SI			SCI = SNOMED CI Code; L = Local code
			от		10	Either name of organism as defined in SoftMic setup or analyzer organism ID code as defined in
5.4	Alternate Identifier	<scc id="" organism=""></scc>	SI	A	16	Softwic setup.
5.5	Alternate Text	<scc name="" organism=""></scc>	SI		16	Name of organism as defined in SoftMic setup.
5.6	Name of Alternate Coding System		ST			L = Local system
5.7	Coding System Version ID	<coding (uc)="" system="" version=""></coding>	SI			Date value as defined in SNOMED Codes table.
5.8	Alternate Coding System Version ID	NA ²	SI			NA = No versioning applicable for Local codes
5.9	Original Text	<organism (uc)="" name=""></organism>	SI			Same data as OBX-5.2
		'A^Abnormal' or				A = Abnormal (Sig Occ + flag is set)
8	Abnormal Flags	'AA^Critical'	ST		18	AA = Critical (Sig Occ ++ flag is set)
						Status of the single component test result from which the organism was isolated
						P - Preliminary or Interim
						F - Final
						 I - Incomplete; results pending (no status entered)
11	Observation Result Status	<result status=""></result>	ST	A		X - Cancelled
						+ = Significant Occurrence
13	User Defined Access Checks	<significant flag="" occurrence=""></significant>	ST		18	++ = Significant Occurrence
14	Date/Time of the Observation	<observation date="" time=""></observation>	TS		22	Includes Timezone indicator
15	Producer's ID	<performing code="" site=""></performing>	ST		35	As defined by SoftMic
19	Date/Time of the Analysis	<status date="" time=""></status>	TS			Includes Timezone indicator
23	Performing Organization Information	<location info=""></location>				See Common Elements, Performing Organization Information
24	Performing Organization Address	<location address=""></location>				See Common Elements, Performing Organization Address
						See Common Elements, Provider Information
1						Based on a single doctor code entered in Location Setup for in-house tests.
25	Performing Organization Medical Director	<location doctor=""></location>				As received and posted with results from reference labs.
OBX	Segment (OBX(Q)) Isolate Quantitation	on				
0	OBX	OBX	ID	R		
1	Set ID – OBX	<counter></counter>	NM			Increments for all OBX segments subordinate to an OBR

SCC Standard EHI export rel4.5.xlsx

Interface Specification

Seq	Data Element	Output	Туре		Rules	Micro Type I
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			Mic		
2	Value Type	<result type=""></result>	ID	R		TX = Text Results
~						See Common Elements. Individual Test Components
3	Observation Identifier	<test id=""></test>		А	32	Represents Micro Test
4	Observation Sub-ID	<organism number=""></organism>	NM	A		Numeric index (from 1) used to identify organism number
						Organism quantitation comments
5	Observation Value	<quantitation></quantitation>	ТΧ		6	This field supports use of HL7 Escape sequences.
						Status of the single component test result from which the organism was isolated
						P - Preliminary or Interim
						F - Final
						C -Corrected
						I - Incomplete; results pending (no status entered)
11	Observation Result Status	<result status=""></result>	ST	А		X - Cancelled
14	Date/Time of the Observation	<observation date="" time=""></observation>	TS		22	Includes Timezone indicator
15	Producer's ID	<performing code="" site=""></performing>	ST		35	As defined by SoftMic
19	Date/Time of the Analysis	<status date="" time=""></status>	TS			Includes Timezone indicator
23	Performing Organization Information	<location info=""></location>				See Common Elements, Performing Organization Information
24	Performing Organization Address	<location address=""></location>				See Common Elements, Performing Organization Address
						See Common Elements, Provider Information
						Based on a single doctor code entered in Location Setup for in-house tests.
25	Performing Organization Medical Director	<location doctor=""></location>				As received and posted with results from reference labs.
ORC	Segment (ORC(S)) Antibiotic Sensitiv	ity Panel				
1	Order Control	RE	ID	R		RE
2	Placer Order Number				6	As sent in first ORC segment of Mic results
2.1	Entity Identifier	<placer number="" order=""></placer>	ST			Same data as ORC-2.1 of the first ORC segment.
2.2	Namespace ID	<placer id="" ns="" number=""></placer>	ST			Same data as ORC-2.2 of the first ORC segment.
2.3	Universal Identifier	<placer number="" uid=""></placer>	ST			Same data as ORC-2.3 of the first ORC segment.
2.4	Universal Identifier Type	<placer number="" type="" uid=""></placer>	ST			Same data as ORC-2.4 of the first ORC segment.
3	Filler Order Number				6	As sent in first ORC segment of Mic results
3.1	Entity Identifier	<scc "lis="" #"=""></scc>	ST			Same data as ORC-3.1 of the first ORC segment.
3.2	Namespace ID	<order# id="" namespace=""></order#>	ST			Same data as ORC-3.2 of the first ORC segment.
3.3	Universal Identifier	<order# uid=""></order#>	ST			Same data as ORC-3.3 of the first ORC segment.
3.4	Universal Identifier Type	ISO	ST			Same data as ORC-3.4 of the first ORC segment.
	All other ORC elements are identical to the first (DRC segment				
						Lest code and associated attributes of parent ordered test. Matches contents of first OBR-4 and
31	Parent Universal Service Identifier	<urdered test=""></urdered>		А		See Common Elements, Ordered Procedure for full structure
OBK	Segment (OBR(S)) Antibiotic Sensitiv	ity Panel				
1	Set ID – OBR	<counter></counter>	NM	R	-	Increments from 2
2	Placer Order Number				6	As sent in first OBR segment of Mic results
2.1	Entity Identifier	<placer number="" order=""></placer>	ST			Same data as OBR-2.1 of the first OBR segment.
2.2	Namespace ID	<placer id="" ns="" number=""></placer>	SI	-	ļ	Same data as UBR-2.2 of the first UBR segment.
2.3		<pracer number="" uid=""></pracer>	51		ļ	Same data as UBK-2.3 of the first UBK segment.
2.4	Universal identifier Type	<placer number="" type="" uid=""></placer>	51		6	Same data as UBK-2.4 of the first UBK segment.
3	Filler Order Number		ст	<u> </u>	0	As sent in first OBK segment of Mic results
3.1		Corder# Namespace ID:	SI		<u> </u>	Some data as OBR-3.1 OF the first OBR segment
ა.∠ აა	Inamespace ID	 Crider# IIIDs 	SI		<u> </u>	Some data as OBR-3.2 Of the first OBR segment
3.3			SI ST	-		Same data as OBR 3.4 of the first OBR segment
1	Ordered Procedure		51			Dame dala as ODIN-3.4 UI lite litsi ODIN seymenil.
200				1	1	

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Discrete Micro Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Interface Specification

Seq	Data Element	Output	Туре		Rules	Micro Type I
	MSH-9 1 Message Type			С Р		
				ĉ		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			ĸ		
				C		Values commonly defined in SSM setup. Other additional values may be defined.
						50545-3 = MIC panel results
						50546-1 = Kirby Bauer panel results
4.1	Universal Service Identifier (LOINC)	<loinc code="" panel=""></loinc>	ST	А		49589-5 = Breakpoint panel results
4.2	Universal Service Text	<loinc name="" panel=""></loinc>	ST	А		
4.3	Name of Universal Service Coding System	'LN'	ST	А		
						MIC = MIC panel results; KB = Kirby Bauer panel results; BP = Breakpoint panel results
4.4	Alternate Universal Service Identifier	<softmic code="" panel=""></softmic>	ST	А		Other additional values may be defined.
4.5	Alternate Universal Service Text	<panel name=""></panel>	ST	А		Same data as OBR(S)-4.2
4.6	Name of Alternate Universal Service Coding System	m 'L'	ST	А		L = Local system
4.7	Coding System Version ID	'2.40'	ST	А		LOINC version 2.40
4.8	Alternate Coding System Version ID	'NA'	ST	А		NA = No versioning applicable for Local codes
4.9	Original Text	<panel name=""></panel>	ST	А		Same data as OBR(S)-4.2
7	Observation Date/Time	<collected date="" time=""></collected>	TS			As sent in first OBR segment of Mic results
11	Specimen Action Code	'G'	ID			L or O= Original ordered test; G = sensitivity panel added to the order
16	Ordering Provider Information	<requesting doctor=""></requesting>		A		See Common Elements, Provider Information
22.1	Results Rpt/Status Chng - Date/Time	<last d="" result="" t=""></last>	TS			
25	Result Status	<result status=""></result>	ST			
						Parent Result refers to the OBX(O) segment that was used to report the organism that was found
26	Parent Result					and to which this sensitivity panel applies.
26.1.1	Parent Observation Identifier	<parent code="" test=""></parent>	ST			Matching test code in OBX-3.1 of parent result. May be LOINC or Local code, depending on contents of OBX(O)-3.
						Matching test name in OBX-3.2 of parent result. Test description may be based on LOINC or
26.1.2	Parent Observation Text	<parent name="" test=""></parent>	ST			Local code, depending on contents of OBX(O)-3.
26.1.3	Parent Observation Coding System	'LN' or 'L'	ST			LN = LOINC® system, L = Local code
26.1.4	Alternate Identifier	<other code="" parent="" test=""></other>	ST			Matching SCC test code in OBX-3.4 of parent result. May be LOINC or Local code, depending on contents of OBX(O)-3.
						Matching test name in OBX-3.5 of parent result. Test description may be based on LOINC or
26.1.5	Alternate Text	<other name="" parent="" test=""></other>	ST			Local code, depending on contents of OBX(O)-3.
26.1.6	Alternate Coding System	'L' or 'LN'	ST			L = Local code, LN = LOINC® system
26.1.9	Original Text	<parent name="" test=""></parent>	ST			Matching test name in OBX-3.2 of parent result
26.2	Parent Observation Sub-ID	<organism #=""></organism>	NM		17	Numeric value from OBX-4 of parent result
29	Parent Number					
29.1	Parent Placer Number					
29.1.1	Parent Placer Order Number Entity ID	<placer number="" order=""></placer>	ST			Same data as OBR-2.1.
29.1.2	Parent Placer Order Number Namespace ID	<placer id="" ns="" number=""></placer>	ST			Same data as OBR-2.2.
29.1.3	Parent Placer Order Number Universal ID	<placer number="" uid=""></placer>	ST			Same data as OBR-2.3.
29.1.4	Parent Placer Order Number Universal ID Type	<placer number="" type="" uid=""></placer>	ST			Same data as OBR-2.4.
29.2	Parent Filler Number					
29.2.1	Parent Filler Order Number Entity ID	<scc "lis="" #"=""></scc>	ST			Same data as OBR-3.1
						A constant value is defined by SCC representing the client/installation.
29.2.2	Parent Filler Order Number Namespace ID	<order# id="" namespace=""></order#>	ST			Same data as OBR-3.2
				1		An ISO-compliant OID is defined by SCC representing the client/installation.
29.2.3	Parent Filler Order Number Universal ID	<pre></pre>	ST			Same data as UBR-3.3
29.2.4	Parent Filler Order Number Universal ID Type	ISU	SI	<u> </u>		ISU = International Standards Organization
				1		resi code and associated attributes of parent ordered test. Matches contents of tirst OBR-4 and
50	Perent Universal Semuic - Islawittian	Ordered Test				previous Orc-51. See also OBR-29 for felaled parent order number.
150	Parent Universal Service Identifier	I <uidered est="" i=""></uidered>	1	IA	1	See Common Elements. Ordered Procedure for full structure

SCC Standard EHI export rel4.5.xlsx

Discrete Micro Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Interface Specification

Seq [Data Element	Output	Туре		Rules	Micro Type I
Ν	NSH-9.1 Message Type			ORU		
Ν	MSH-9.2 Event Code			R01		
C	DRC-1 Control Code			RE		
C	Drigin			Mic		
OBX Se	egment (OBX(S)) Antibiotic Sensitivi	tv				
0 0	OBX	OBX	ID	R		
1 8	Set ID – OBX	<counter></counter>	NM			Increments from 1 for all Antibiotics under a single OBR(S)
2 V	/alue Type	'NM'	ID	R		NM = Numeric
з (Observation Identifier	<antibiotic></antibiotic>		A	32	See Common Elements, Individual Test Components Represents Micro Antibiotics. Local codes and LOINC codes are defined in SoftMic setup files.
						Numeric index (from 1) matching OBX-4 in parent OBX-O segment and matching OBR-26.2 in
4 C	Observation Sub-ID	<organism #=""></organism>	NM	A	17	parent OBR segment.
<u>5</u> C	Observation Value - NM type			_	20	Numeric results with comparitors and symbolic separators are sent as ST-type.
5.1 N	Number	<numeric result="" symbols="" test="" with=""></numeric>	NM	R		Numeric result including sign character -, +
6 L	Units		-			Unit codes as defined in SoftMic
	la ita lala stifi an		от			Universal code for units defined in HIS Mapping Table. Unified Code for Units of Measure
6.1 U			SI			Defined in HIS Mapping Table
6.2 0	Inits Coding System	<units (uc)="" text=""></units>	ST		-	Defined in HIS Mapping Table.
6.0 C	Alternate Identifier	<scc units=""></scc>	ST			Unit codes as defined in SoftMic
6.5 A	Alternate Text	<units text=""></units>	ST			Value defined in SSM setup
6.6 N	Name of Alternate Coding System	'L'	ST	А		L = Local system
6.7 C	Coding System Version ID	<units (uc)="" coding="" system="" version=""></units>	ST			Defined in HIS Mapping Table.
6.8 A	Alternate Coding System Version ID	'NA'	ST	А		NA = No versioning applicable for Local codes
F	Abnormal Flags					
8.1 A	Abnormal Flag ID	<interpretive (uc)="" flags=""></interpretive>	ST			Universal code for flags defined in HIS Mapping Table. HL7 codes recommended.
8.2 F	Flag Text	<interpretive (uc)="" flags="" text=""></interpretive>	ST			Defined in HIS Mapping Table.
8.3 F	Flag Coding System	<interpretive (uc)="" coding="" flags="" system=""></interpretive>	ST			Defined in HIS Mapping Table. "HL70078" recommended.
8.4 A	Alternate Identifier	<scc flags="" interpretive=""></scc>	ST			S - Sensitive; R - Resistant; I - Intermediate; MS - Moderately Sensitive
8.5 A	Alternate Text	<interpretive (uc)="" flags="" text=""></interpretive>	ST			Same data as OBX(S)-8.2.
8.6 N	Name of Alternate Coding System		ST	A		L = Local system
0.7		<interpretive coding="" flags="" system="" td="" version<=""><td>от</td><td></td><td></td><td></td></interpretive>	от			
8.7 C	Joding System Version ID		51 6T	^		Defined in HIS Mapping Table.
0.0 A	Allemate Coung System version iD	NA	31	A	-	Status of the single component test result from which the organism was isolated
						P - Preliminary or Interim
						F - Final
						C - Corrected
						I - Incomplete; results pending (no status entered)
11 C	Observation Result Status	<result status=""></result>	ST	А		X - Cancelled
						+ = Significant Occurrence
13 L	Jser Defined Access Checks	<significant flag="" occurrence=""></significant>	ST		18	++ = Significant Occurrence
14 C	Date/Time of the Observation	<observation date="" time=""></observation>	TS		22	Includes Timezone indicator
15 P	Producer's ID	<performing code="" site=""></performing>	ST		35	As defined by SoftMic
						MIC = MIC panel results
				1		PD - Prockasint panel results
17 0	Observation Mathed	-SCC Papel codes	ст	1		Dr = Dreakpoint parier results
191 F	Date/Time of the Analysis		TS	-	<u> </u>	Uner auditional values may be defined.
23 [Performing Organization Information		10	+		See Common Elements Performing Organization Information
	Porforming Organization Addross	al ocation Address	+	+	1	Soc Common Elements, Performing Organization Address

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Interface Specification

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Seq	Data Element	Output	Туре		Rules	Micro Type I
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			Mic		
						See Common Elements, Provider Information
						Based on a single doctor code entered in Location Setup for in-house tests.
25	Performing Organization Medical Director	<location doctor=""></location>				As received and posted with results from reference labs.
NTE S	Segment					
0	NTE	NTE	ID	R		
1	Set ID - NTE	<counter></counter>	NM			Increments from 1 to n for each group of segments
2	Source of Comment	L	ST	A		
						Line of result comment. May be blank if user enters blank lines.
3	Comment Text	<comment text=""></comment>	ТΧ		6, 7	This field supports use of HL7 Escape sequences.
4	Comment Type					
4.1	Identifier	RE	ID	A		
4.2	Text	Remark	ST	A		RE = Remark - all comments are characterized as remarks
4.3	Name of Coding System	HL70364	ST	A		
						MICOECOM - Micro Order Entry Comment
						DRUGCOM - Sonsitivity commont
						For corrected results:
						BREVMICCOM - Proviously reported Ordered Precedure result
						PREVOIL TCOM - Draviously reported Every chapter of the result
						PREVIJOLATE = Fleviously reported Quantitation
						PREVISION Draviously reported logists commont
						PREVISOCOM = Previously reported isolate comment
	Alternante Islandifian	O anno ant Trina i da atifica	от			PREVDRUG = Previously reported Sensitivity result
4.4	Nome of Alternate Coding System		<u>।</u>	A		
4.0	Coding System Version ID	L 2.5.1	<u>।</u>	A		L = Local code. Primary codes are locally defined codes.
4./	AltornateCoding System Version ID		SI ST	A		2.0.1 NA – No versioning applicable for Local codes
4.Ö	Allemalecouling system version in	INA	31	А		

Rev:	170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5									
1.0	Discrete Genetics Result Se	eqments								
Sea	Data Element	Output	Type		Rules	Notes (Discrete, Mixed Technology)				
				0						
	MSH-9.1 Message Type			RU						
	MSH-9.2 Event Code			R01						
	ORC-1 Control Code			RE						
	Origin			GIS						
OBX	Segment (OBX(GI)) Group Test Interp	pretation								
0	ОВХ	OBX	ID	R		Only one interpretation is supported at the group test level.				
1	Set ID – OBX	<counter></counter>	NM							
2	Value Type	<result type=""></result>	ID	R		TX = Text Results				
						SCC code = 'INTER'				
						SCC Test Name = 'Interpretation'				
3	Observation Identifier - Option A	<test id=""></test>			32	See Common Elements, Individual Test Components				
4	Observation Sub-ID	<counter></counter>	ST			Observation Sub is derived from the Genetics primary test code for the group test.				
5	Observation Value - ST, TX types									
						Group Test interpretation as entered in the Genetics Interpretation section of the application. Each line of text separated by the repetition character (~).				
5.1	Observation Value	<result data=""></result>	ST	_	6, 12	This field supports the use of HL7 escape sequences.				
-	Abnormal Flags									
8	(HL7 v2.5.1)			_						
			OT			Universal code for flags defined in <i>HIS Mapping Table</i> .				
8.1	Abnormal Flags ID	<abnormal (uc)="" flags=""></abnormal>	51	_		Ref lab tests: sent as received.				
0 0	Toxt	Absormal Flags Taxt (LIC)	ет			Defined in <i>This Mapping Table.</i>				
0.2	Name of Cading System	<abnormal (uc)="" coding="" flags="" system=""></abnormal>	OT OT	_		Reliablesis. Selicas Techen.				
0.3	Alternate Identifier	<abilitinial (uc)="" couling="" flags="" system=""></abilitinial>	OT OT	_	24					
0.4	Alternate Text	<scc adhoithai="" flags=""></scc>	OT OT	_	34	A subset of FL7 Statuard codes				
9.5	Name of Alternate Coding System		OT OT	-		Same data as ODA-0.2.				
9.7	Coding System Version ID	L	ST ST	-		L = Local system				
0.7	Alternate Coding System Version ID		OT OT	-		NA – Na versioning applicable for Local codes				
0.0	Alternate Couling System Version ID		31	-		\mathbf{P} - Preliminary				
						F - Final				
11	Observation Result Status	-Result Status>	ST			X - Cancelled				
14	Date/Time of the Observation	<result and="" date="" time=""></result>	TS	1	22	Case sign-out Date/Time				
15	Producor's ID	-Performing Site Codes	.с ст		25					
10			01	-	30	000 ID far is dividual that a standard that interpretation as defined in Excellence Octor				
10		< ו פטוו ש who enterea the result>	51	-		CCVVMMDDbbmm formet				
10	Resulted Date/Time	-Reput Varified Date/Times	те			Sign Out date and time				
19 22	Resulted Date/Time		15	-		Sign Out usite and unlite				
23 21	Performing Organization Address	< location Address>		-		See Common Elements, Performing Organization Address				
2 4				+		See Common Elements, Ferrorining Organization				
25	Performing Organization Medical Director	<location doctor=""></location>				Based on a single doctor code entered in Location Setup for in-house tests.				

Seq	Data Element	Output	Туре		Rules	Notes (Discrete, Mixed Technology)
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			GIS		
OBX	Segment (OBX(GR)) Group Test Re	sult Fields				
0	OBX	OBX	ID	R		
1	Set ID OBY		NIM			
1	Set ID = OBX		INIVI			ST = String data
						TX = Textual data
						NM – Numeric
2	Value Type	<result type=""></result>	п	R		CWE - Coded Element
2						Composite field containing individual components of the Group test result fields
2	Observation Identifier				30	Son Common Elements, Individual Components of the Gloup test result fields.
3			NIM		32	Used only for HI A tests
4	Observation Sub-ID	<codiner></codiner>	INIVI			Observation SubD for the Group test
						All result fields for a Group test contain the same Observation SubID
4	Observation Sub-ID		ст			All markers contain the nanel test code as the Observation SubID.
5	Observation Value - ST & TX types		51	-		Non-numeric (SN or NM) non-coded (CWE) results
5	Observation value - 51 & TX types			-	6 12 20	Length is dependent on data type defined
5 1	Observation Value	-Result Texts	ST		21	This field supports use of HI 7 Escane sequences
5	Observation Value - SN type		51		204	All strictly numeric or numeric/symbolic results are sent as SN type
51	Comparator	comparitor portion of results	ST	-	207	
5.2	Number	<pre><companior of="" pontion="" result=""></companior></pre>	NM	-		N, Z, -, N, -Z, -X, Z-
53	Separator/Suffix		ST	-		
5.4	Number	<second numeric="" of="" portion="" results<="" td=""><td>NM</td><td></td><td></td><td>Decimal numeric value</td></second>	NM			Decimal numeric value
0.1						SN form is not used.
5	Observation Value - NM type				10	Numeric results with comparitors and symbolic separators are sent as ST-type
51	Number	<numeric result="" symbols="" test="" with=""></numeric>	NM			Numeric result including sign character - +
						,
5	Observation Value - CWE-type					Specific tests may be defined to be sent as CWE type. SNOMED coding system is used.
5.1	Identifier	<result code=""></result>	ST			A SNOMED code or other coded value as entered as the result.
5.2	Text	<result (uc)="" text=""></result>	ST			Textual description of the code as defined in SNOMED Codes table
5.3	Name of Coding System	<result (uc)="" coding="" system=""></result>	ST			Coding system as defined in SNOMED Codes table.
5.7	Coding System Version ID	<result (uc)="" coding="" system="" version=""></result>	ST			Coding system version as defined in SNOMED Codes table.
5.9	Original Text	<result (uc)="" text=""></result>	ST			Same data as OBX-5.2
6	Units					
						Universal code for units defined in HIS Mapping Table . Unified Code for Units of Measure
6.1	Units Identifier	<units (uc)=""></units>	ST			(UCUM) codes recommended.
6.2	Units Text	<units (uc)="" text=""></units>	ST			Defined in HIS Mapping Table.
6.3	Units Coding System	<units (uc)="" coding="" system=""></units>	ST			Defined in HIS Mapping Table. "UCUM" recommended.
6.4	Units Alternate Identifier	<scc units=""></scc>	ST			Code for units defined in Test setup.
6.5	Units Alternate Text	<units text=""></units>	ST			Value defined in SSM setup.
6.6	Units Alternate Coding System	L	ST			L = Local system
6.7	Units Coding System Version ID	<units (uc)="" coding="" system="" version=""></units>	ST			Defined in HIS Mapping Table.
						text or <lower> - <upper></upper></lower>
7	References Range	<reference range=""></reference>	ST		6	This field supports use of HL7 Escape sequences.
	Abnormal Flags					
8	(HL7 v2.5.1)			1		
8.1	Abnormal Flags ID	<abnormal (uc)="" flags=""></abnormal>	ST	<u> </u>		Universal code for flags defined in HIS Mapping Table . HL7 codes recommended.
8.2	l ext	<abnormal (uc)="" flags="" text=""></abnormal>	ST			Defined in HIS Mapping Table.
8.3	Name of Coding System	Abnormal Flags Coding System (UC)>	ST	1	1	Defined in HIS Mapping Table. "HL70078" recommended.

SCC Standard EHI export rel4.5.xlsx

Genetics Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Data Element	Output	Туре		Rules	Notes (Discrete, Mixed Technology)
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			GIS		
0.4			от		0.4	Either SCC Codes as printed on SoftGenetics reports or HL7 codes as listed in attached
8.4	Alternate Identifier	<suc abnormal="" flags=""></suc>	51		34	comment.
0.0 0.6	Allemale Text		SI			
0.0 8 7	Coding System Version ID	L	ST			L = Local system Defined in H/S Manning Table, "HI 70078" recommended
8.8	Alternate Coding System Version ID		ST			NA - No versioning applicable for Local codes
0.0	Alternate Couling System Version ID		51			F - Final
						C - Correction
11	Observation Result Status	-Result Status	ST			
14	Date/Time of the Observation	<pre></pre> <pre><</pre>	TS		22	Date and time the result is entered in the system
14	Breducer's ID	-Deferming Site Codes	ST ST		25	
15	Producer's ID Responsible Observer	<perioriting code="" sile=""></perioriting>	ST		30	SCC ID for individual that regulted the Regult Field as defined in Employee Setup
17	Observation Method		51			SCC ID for individual that resulted the Result Field as defined in Employee Setup.
17 1	Method Identifier	<observation code="" method=""></observation>	ST			Code defined HIS Manning Table. No specific coding system recommanded
17.1		<observation (uc)="" method="" text=""></observation>	ST			Text defined HIS Manning Table.
17.2	Name of Coding System	<observation (uc)="" coding="" method="" system=""></observation>	ST			Defined in HIS Mapping Table.
17.3	Coding System Version ID	<observation (uc)="" coding="" method="" system=""></observation>	ST			Defined in HIS Mapping Table.
17.7			51			CCYYMDDbbmm format
10	Resulted Date/Time	-Posult Varified Date/Time>	тs			Report Released/Sign Out date and time
23	Performing Organization Information		10			See Common Elements, Performing Organization Information
23	Performing Organization Information					See Common Elements, Performing Organization Information
27	r choming organization Address					See Common Elements, Ferrorining Organization Address
25	Performing Organization Medical Director	< location Doctor>				Based on a single doctor code entered in Location Setup for in-house tests
OBY	Sogmont (OBY(SH)) Single Test Head	r Fields for Disclaimors Mothods Poferone	06			
	Segment (OBX(SH)) Single Test field	IOPY		D		
1			NM	ĸ		
2				R		ST – string data
2				IX.		Composite field of the single test
						Contains the code as defined in the Reference Code for Single test
2	Observation Identifier	-Test ID>			32	See Common Elements Individual Test Components
5	Observation Value	<result data=""></result>	ST		02	Always sent with literal 'DNR'
0						Status of the single test result
						P - Preliminary
						F - Final
						C - Correction
11	Observation Result Status	<result status=""></result>				X - Cancelled
						Date and time a result field was entered for the single test. If multiple results fields exist
14	Date/Time of the Observation	<result and="" date="" time=""></result>			22	first result field will be used.
15	Producer's ID	<performing code="" site=""></performing>			35	
15			1	+	00	CCYYMMDDhhmm format
19	Resulted Date/Time	<result date="" time="" verified=""></result>				Report Released/Sign Out date and time
23	Performing Organization Information	clocation Info>		+		See Common Elements Performing Organization Information
24	Performing Organization Address	clocation Address>				See Common Elements, Performing Organization Address
F			1			See Common Elements. Provider Information
25	Performing Organization Medical Director	<location doctor=""></location>				Based on a single doctor code entered in Location Setup for in-house tests.
OBX	Segment (OBX(SI)) Single Test Interpr	retation				
0		IOBX	ID			

SCC Standard EHI export rel4.5.xlsx

Seq	Data Element	Output	Туре		Rules	Notes (Discrete, Mixed Technology)
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			GIS		
1	Set ID – OBX	<counter></counter>	NM			
2	Value Type	<result type=""></result>	ID			TX = Text Results
						SCC code = 'INTER'
						SCC Test Name = 'Interpretation'
3	Observation Identifier - Option A	<test id=""></test>			32	See Common Elements, Individual Test Components
4	Observation Sub-ID	<sequence counter=""></sequence>	ST			Contains an Observation SubID for single test. All markers contain the panel test code as the Observation SubID. Observation Sub is derived from the Genetics primary test code for the single test.
					6, 12, 20,	Each line of text separated by the repetition character (~).
5	Observation Value	<result data=""></result>	ТΧ		21	This field supports the use of HL7 escape sequences.
	Abnormal Flags					
8	(HL7 v2.5.1)					
8.1	Abnormal Flags ID	<abnormal (uc)="" flags=""></abnormal>	ST			Universal code for flags defined in HIS Mapping Table . HL7 codes recommended.
8.2	Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST			Defined in HIS Mapping Table.
8.3	Name of Coding System	<abnormal (uc)="" coding="" flags="" system=""></abnormal>	ST			Defined in HIS Mapping Table. "HL70078" recommended.
						Either SCC Codes as printed on SoftGenetics reports or HL7 codes as listed in attached
8.4	Alternate Identifier	<scc abnormal="" flags=""></scc>	ST		34	comment.
8.5	Alternate Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST			Same data as OBX-8.2.
8.6	Name of Alternate Coding System	L	ST			L = Local system
8.7	Coding System Version ID	<abnormal (uc)="" coding="" flags="" system="" version=""></abnormal>	ST			Defined in HIS Mapping Table. "HL70078" recommended.
8.8	Alternate Coding System Version ID	NA	ST			NA = No versioning applicable for Local codes
						P - Preliminary
						F - Final
						C - Correction
11	Observation Result Status	<result status=""></result>	ST			X - Cancelled
14	Date/Time of the Observation	<result and="" date="" time=""></result>	TS		22	Result Entered/Posted Date/Time
15	Producer's ID	<performing code="" site=""></performing>	ST		35	
			-			
16	Responsible Observer	<tech entered="" id="" result="" the="" who=""></tech>	ST			SCC ID for individual that performed the interpretation as defined in Employee Setup.
	· ·					CCYYMMDDhhmm format.
19	Resulted Date/Time	<result date="" time="" verified=""></result>	TS			Sign Out date and time of the Single Test interpretation.
23	Performing Organization Information	<location info=""></location>				See Common Elements. Performing Organization Information
24	Performing Organization Address	<location address=""></location>				See Common Elements, Performing Organization Address
						See Common Elements, Provider Information
25	Performing Organization Medical Director	<location doctor=""></location>				Based on a single doctor code entered in Location Setup for in-house tests.
OBX	Segment (OBX(SR)) Single Test Resul	It Field				
0		OBX	ID	R		
0		OBX .		IX.		
1	Set ID – OBX	<counter></counter>	NM	_		CT String data
						IX = lextual data
	<u>-</u>					
2	value Type	<resuit type=""></resuit>	טו	К		CWE = Coded Element
						Occurrently field of the circle test
						Composite field of the single test.
						Contains the code as defined in the Reference Code for Single test.
3	Observation Identifier	<1 est ID>		-	32	See Common Elements, Individual Test Components.
4	Observation Sub-ID	<sequence counter=""></sequence>	NM	1		Used only for HLA tests

SCC Standard EHI export rel4.5.xlsx

Seq	Data Element	Output	Туре		Rules	Notes (Discrete, Mixed Technology)
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			GIS		
4	Observation Sub-ID	<sequence counter=""></sequence>	ST			Contains an Observation SubID for single test. All markers contain the panel test code as the Observation SubID. Observation Sub is derived from the Genetics primary test code for the single test.
5	Observation value - ST & TX types				6 12 20	Non-numeric (SN or NM), non-coded (CWE) results
5 1	Observation Value	<result text=""></result>	ST		21	This field supports use of HL7 Escape sequences.
5	Observation Value - SN type				20A	All strictly numeric or numeric/symbolic results are sent as SN type.
5.1	Comparator	<comparitor of="" portion="" result=""></comparitor>	ST			<, >, =, <=, =>, =<, >=
5.2	Number	<numeric of="" portion="" result=""></numeric>	NM			Decimal numeric value including sign character -, +
5.3	Separator/Suffix	<non-numeric separator=""></non-numeric>	ST			:, -, /, +
5.4	Number	<second numeric="" of="" portion="" result=""></second>	NM			Decimal numeric value
						SN form is not used.
5	Observation Value - NM type				10	Numeric results with comparitors and symbolic separators are sent as ST-type.
5.1	Number	<numeric result="" symbols="" test="" with=""></numeric>	NM			Numeric result including sign character -, +
5	Observation Value - CWE-type					Specific tests may be defined to be sent as CWE type. SNOMED coding system is used.
5.1	Identifier	<result code=""></result>	ST			A SNOMED code or other coded value as entered as the result.
5.2	Text	<result (uc)="" text=""></result>	ST			Textual description of the code as defined in SNOMED Codes table.
5.3	Name of Coding System	<result (uc)="" coding="" system=""></result>	ST			Coding system as defined in SNOMED Codes table.
5.7	Coding System Version ID	<result (uc)="" coding="" system="" version=""></result>	ST			Coding system version as defined in SNOMED Codes table.
5.9	Original Text	<result (uc)="" text=""></result>	ST			Same data as OBX-5.2
6	Units					
6.1	Units Identifier	<units (uc)=""></units>	ST			Universal code for units defined in <i>HIS Mapping Table</i> . Unified Code for Units of Measure (UCUM) codes recommended.
62	Units Text	<units (uc)="" text=""></units>	ST			Defined in HIS Manning Table
6.3	Units Coding System	<units (uc)="" coding="" system=""></units>	ST			Defined in HIS Mapping Table "UCUM" recommended
6.4	Units Alternate Identifier	<scc units=""></scc>	ST	-		Code for units defined in Test setup
6.5	Units Alternate Text	<units text=""></units>	ST	-		Value defined in SSM setun
6.6	Units Alternate Coding System		ST	-		I = ocal system
67	Units Coding System Version ID	 Units Coding System Version (UC)> 	ST	-		Defined in HIS Manning Table
						text or <lower> - <upper></upper></lower>
7	References Range	<reference range=""></reference>	ST		6	This field supports use of HL7 Escape sequences.
-	Abnormal Flags	g_	-		-	
8	(HL7 v2.5.1)					
8.1	Abnormal Flags ID	<abnormal (uc)="" flags=""></abnormal>	ST			Universal code for flags defined in HIS Mapping Table. HL7 codes recommended.
8.2	Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST			Defined in HIS Mapping Table.
8.3	Name of Coding System	<abnormal (uc)="" coding="" flags="" system=""></abnormal>	ST			Defined in HIS Mapping Table, "HL70078" recommended.
			-			Either SCC Codes as printed on SoftGenetics reports or HL7 codes as listed in attached
8.4	Alternate Identifier	<scc abnormal="" flags=""></scc>	ST		34	comment.
8.5	Alternate Text	<abnormal (uc)="" flags="" text=""></abnormal>	ST		-	Same data as OBX-8.2.
8.6	Name of Alternate Coding System		ST			L = Local system
87	Coding System Version ID	< Abnormal Flags Coding System Version (LIC)>	ST			Defined in HIS Manning Table "HI 70078" recommended
8.8	Alternate Coding System Version ID	NA	ST	1		NA = No versioning applicable for Local codes
0.0		· · · ·		1		F - Final
			1			C - Correction
11	Observation Result Status	<result status=""></result>	ST	1		X - Cancelled
14	Date/Time of the Observation	<observation date="" time=""></observation>	TS		22	Date and time the result is entered in the system.
15	Producer's ID	<performing code="" site=""></performing>	ST		35	
SCC:	Standard EHI export rel4.5.xlsx		1~1	1		Page

Genetics

tics Key: R = Required, C = Conditionally Required, A = Always Sent, <empty> = Optional, / = Not Used by SCC, Shaded elements will not be used at this installation.

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Seq	Data Element	Output	Туре		Rules	Notes (Discrete, Mixed Technology)
	MSH-9.1 Message Type			ORU		
	MSH-9.2 Event Code			R01		
	ORC-1 Control Code			RE		
	Origin			GIS		
16	Responsible Observer	<tech entered="" id="" result="" the="" who=""></tech>	ST			SCC ID for individual that resulted the Result Field as defined in Employee Setup.
17	Observation Method					
17.1	Method Identifier	<observation code="" method=""></observation>	ST			Code defined HIS Mapping Table. No specific coding system recommended.
17.2	Text	<observation (uc)="" method="" text=""></observation>	ST			Text defined HIS Mapping Table.
17.3	Name of Coding System	<observation (uc)="" coding="" method="" system=""></observation>	ST			Defined in HIS Mapping Table.
17.7	Coding System Version ID	<observation (uc)="" coding="" method="" system="" version=""></observation>	ST			Defined in HIS Mapping Table.
						CCYYMMDDhhmm format.
19	Resulted Date/Time	<result date="" time="" verified=""></result>	TS			Test Released/Sign Out date and time.
23	Performing Organization Information	<location info=""></location>				See Common Elements, Performing Organization Information
24	Performing Organization Address	<location address=""></location>				See Common Elements, Performing Organization Address
						See Common Elements, Provider Information
25	Performing Organization Medical Director	<location doctor=""></location>				Based on a single doctor code entered in Location Setup for in-house tests.
NTE S	Segment					
0	NTE		ID	R		
1	Set ID - NTE		NM			Increments from 1 to n for each group of segments
2	Source of Comment	L	ST	R		L = Filler is source of comment
						Result comments, Disclaimers, Methods, and References.
						May be blank if user enters blank lines.
3	Comment Text		ТΧ		6, 7, 21	This field supports use of HL7 Escape sequences.
4	Comment Type					
4.1	Identifier	RE	ID			RE = Remark - all comments are characterized as remarks
4.2	Text	Remark	ST			
4.3	Name of Coding System	HL70364	ST			
						MEIH = Method
						REFM = Reference
						RFRM = Multiline Reference Range
						ELSG = *Electronic Signature (Path Review)
						RCMS = Result field with Canned Message Code
						RMOD = Corrected Results text
						DMOD = Demographic Update
						MODCOT = Corrected Result Comments text.
4.4	Alternate Identifier		ST			CALLED = Called text
4.6	Name of Alternate Coding System	L	ST			L = Local code. Primary codes are locally defined codes.
4.7	Coding System Version ID	2.5.1	ST			2.5.1
4.8	Alternate Coding System Version ID	NA	ST			NA = No versioning applicable for Local codes

Cell: T16

Comment: OBX-5, Lab results:

When configured to send cancellation as a result event upon cancellation all the components of a group test and OBX[11] will be valued with an "X".

Cell: T45

Comment: OBX-7, Lab Results:

Reference ranges as stored with the results derived from SoftLab Individual Test Setup, Ranges, Age Ranges, or as stored from reference labs...

Cell: T51

- Comment: OBX-8.4:
 - HL7 Abnormal Flags that are used are: L - Low result LL - Critical (Panic) or Absurd Low H - High result HH - Critical (Panic) or Absurd High A - Abnormal (alphanumeric only) AA - Critical or Absurd (alphanumeric only)

Cell: T57

Comment: OBX-11:

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T87

Comment: OBX-8.4: HL7 Abnormal Flags that are used are: A - Abnormal (alphanumeric only) N - Normal

Cell: T92

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: U92

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: V92

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T142

Comment: OBX-8.4: HL7 Abnormal Flags that are used are: L - Low result LL - Critical (Panic) or Absurd Low H - High result HH - Critical (Panic) or Absurd High A - Abnormal (alphanumeric only)

SCC StandacottiEattlorexysoriat (activation only)

N - Normal

Cell: T150

Comment: OBX-11:

Observation result status of "X" is valued when the interface is configured to send cancellation as a result

Cell: U150

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: V150

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T169

Comment: Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T188

Comment: OBX-8.4:

HL7 Abnormal Flags that are used are: A - Abnormal (alphanumeric only)

N - Normal

Cell: T193

Comment: OBX-11:

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: U193

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T243

Comment: OBX-8.4: HL7 Abnormal Flags that are used are: L - Low result LL - Critical (Panic) or Absurd Low H - High result HH - Critical (Panic) or Absurd High A - Abnormal (alphanumeric only) AA - Critical or Absurd (alphanumeric only) N - Normal

Cell: T251 Comment: OBX-11:

Observation result status of "X" is valued when the interface is configured to send cancellation as a result

SCC Standard EHI export rel4.5.xlsx

Cell: U251 Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: V251

Comment: OBX-11

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T275

Comment: OBX-8.4:

HL7 Abnormal Flags that are used are: A - Abnormal (alphanumeric only) N - Normal

Cell: T280

Comment: OBX-11:

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T304

Comment: OBX-8.4:

HL7 Abnormal Flags that are used are: A - Abnormal (alphanumeric only) N - Normal

Cell: T309

Comment: OBX-11:

Observation result status of "X" is valued only when the interface is configured to send cancellation as result event

Cell: T380

Comment: URD-7.1, Display results:

F – Final – all modules. For SoftLab results, this indicates all tests for the requested procedure are resulted & verified. For all other results, this directly reflects result flags set in each module.

P - Preliminary - all modules. For SoftLab results, this indicates at least one test on the requested procedure is not yet verified. For all other results, this directly reflects result flags set in each module.

All SoftMic status codes are configurable including the result cancellation message.

R - Revised Report - DxP only.

S – Supplemental Report – DxP only.

C - Corrected - DxP only.

Rev:	170.315(b)(10) HL7 Result Reporting for EHI Export, release 4.5 File and Batch Segments				
1.0					
Seq	Data Element	Output	Туре		Notes
				0	
	MSH-9.1 Message Type			RU	
	MSH-9.2 Event Code			R01	
	ORC-1 Control Code			RE	
	Origin			Any	
FHS	Segment				
0	FHS	FHS	ID	R	
1	File Field Separator		ST	R	
					Component Separator, Repetition Character, Escape Character,
2	File Encoding Characters	^~\&	ST	R	Subcomponent Separator.
3	File Sending Application	SCC	ST		
4	File Sending Facility	SCC	ST		
5	File Receiving Application	EHIEXPORT	ST		
6	File Receiving Facility	EHIEXPORT	ST		
7	File Creation Date/Time	<run date="" time=""></run>	TS	R	Date/Time Billing Report was run
9	File Name/ID	<file name=""></file>	ST	R	
					publicly accessible hyperlink to this specification documenting the Electronic Health Information (EHI) export
10	File Header Comment	<publicly accessible="" hyperlink=""></publicly>	ST	R	e.g. https://www.softcomputer.com/regulatory-affairs/
FTS S	Segment				
0	FTS	FTS	ID	R	
1	File Batch Count	<batch count=""></batch>	NM	R	Total number of batches (BHS segments) in the file.