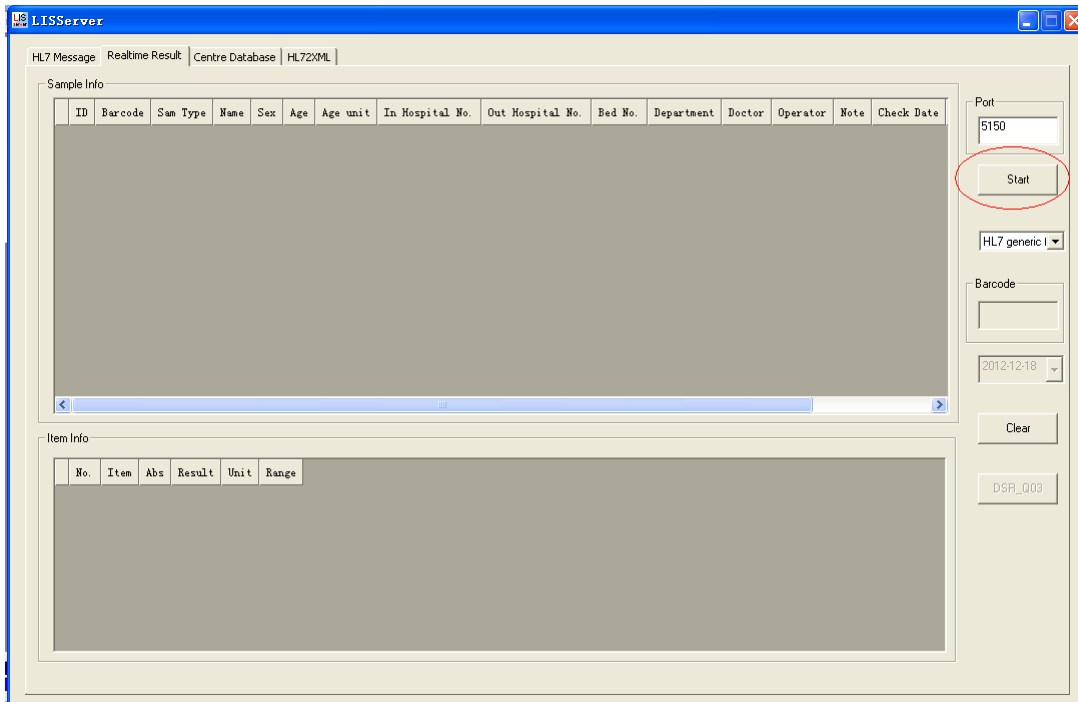
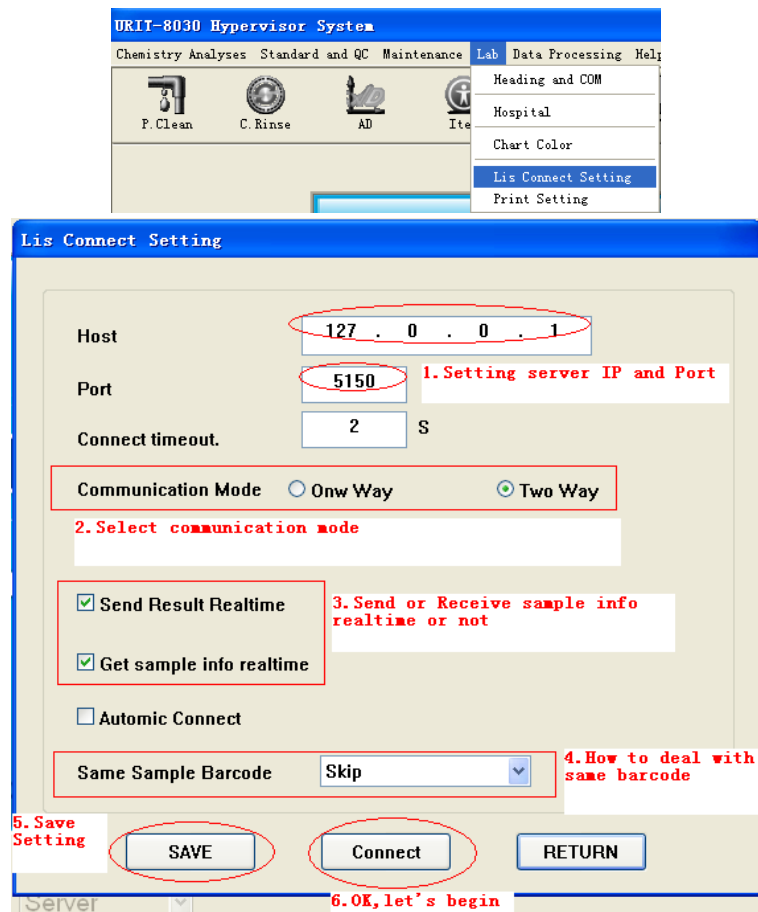


Urit HL7 LIS Demo

1. Start LIS demo server and start the service



2. Launch the management software and finish the LIS client setting as follow.



3. Upload sample to LIS server.

We can mark the sample type as “Sent”, “Unsent” just like mailbox. The client will automatically send the “Unsent” sample to the remote LIS server. When the sample had been sent to the remote LIS server successfully, it will be marked as “Sent”. Otherwise still be marked as “Unsent”.

The screenshot shows the 'LIS Task Manager' application window. At the top, there are icons for Upload, Download, Illegal Item, Download History, and Return, along with a status bar indicating 'LIS Connected'. Below the icons, a progress bar shows 'Loading, Please Wait... 5 / 8'. The main area is divided into two sections: 'Sample Info' and 'Item Info'. The 'Sample Info' section contains a table with columns: ID, Hospital No., Sample Type, Name, Sex, Age, Age unit, and Inpatient ID. The table has one row with the following data: ID: 201212170009, Hospital No.: (empty), Sample Type: (empty), Name: (empty), Sex: (empty), Age: 0, Age unit: Years, Inpatient ID: (empty). To the right of the table, there is a 'Send' button, a date dropdown menu set to '2012-12-17', a 'Sent' dropdown menu, and buttons for 'Marked as Sent', 'Marked as Unsent', and 'Refresh'. The 'Send' button is highlighted with a red circle.

Sample marked type:

The screenshot shows the 'LIS Task Manager' application window. At the top, there are icons for Upload, Download, Illegal Item, Download History, and Return, along with a status bar indicating 'LIS Connected'. Below the icons, a progress bar shows 'Loading, finish.'. The main area is divided into two sections: 'Sample Info' and 'Item Info'. The 'Sample Info' section contains a table with columns: ID, Hospital No., Sample Type, Name, Sex, Age, Age unit, and Inpatient ID. The table has eight rows with the following data: ID: 201212170001, 201212170002, 201212170003, 201212170004, 201212170005, 201212170006, 201212170007, 201212170008; Hospital No.: (empty); Sample Type: (empty); Name: (empty); Sex: (empty); Age: 0; Age unit: Years; Inpatient ID: (empty). To the right of the table, there is a 'Send' button, a date dropdown menu set to '2012-12-17', a 'Sent' dropdown menu, and buttons for 'Marked as Sent', 'Marked as Unsent', and 'Refresh'. The 'Sent' dropdown menu is highlighted with a red box, showing options: 'Sent', 'All', 'Unsent', and 'Marked as Sent'.

4. Download sample from the remote LIS server.

We can query the sample information by time or Hospital No. (Barcode). When querying by barcode, we can use handheld barcode scanner to scan the barcode. The client will query the related sample automatically and save in the local cache list.

LIS Task Manager

Upload Download Illegal Item Download History Return LIS Connected

Downloads, please wait ...

Hospital No. Time
 2012-12-17 0:00:00 23:59:59

Query by Hospital No.
☐ Query by time

Connect

Download

Test Type Routine

Sam.ID 1

Sam. Cup 1

SizeOfCup SampleCup

Dummy Tray D1

ADD

Delete

Save

ID	Hospital No.	Sample Type	Name	Sex	Age	Age unit	Inpatient ID
----	--------------	-------------	------	-----	-----	----------	--------------

Item Info

No.	Item	Abs	Result	Unit	Range
-----	------	-----	--------	------	-------

5. Edit the sample and test

After downloading the sample from the remote LIS server, we must assign ID, Cup(location) to the sample.

LIS Task Manager

Upload
 Download
 Illegal Item
 Download History
 Return

LIS Connected

Download complete!

Hospital No.

Time

☒ Query by Hospital No.
☐ Query by time

Sample Info

	ID	Hospital No.	Sample Type	Name	Sex	Age	Age uni
1	201212060005	122118		test005	Female	11	Years
2	201212060004	120117		test004	Male	10	Years
3	201212060001	120514		test001	Male	20	Years
4	201212060003	120118		test003	Male	23	Years

Connect

Download

Test Type: Routine

Sam.ID: 5

Sam. Cup: 5

SizeOfCup: SampleCup

Dummy Tray: D1

Add

Delete

Save

Item Info

No.	Item	Abs	Result	Unit	Range
-----	------	-----	--------	------	-------

Select the sample and add to the test list.

Entry	List	QC	Standard							
Sam. ID	Hospital No.	Sam. Cup	SizeOfCup							
1 0001	122118	D1/1	SampleCup	AMY	TP	CRE	ALB	TB	DB	
2 0002	120117	D1/2	SampleCup	AMY	TP	ALB	TB	DB	TBA	
3 0003	120514	D1/3	SampleCup	LDH	TP	CRE	TB	CK	ALT	
4 0004	120118	D1/4	SampleCup	CHE	ALP	AMY	TP	CRE	ALB	

Routine

Date

2012-12-18

Name

test005

Hospital No.

122118

Lab ID

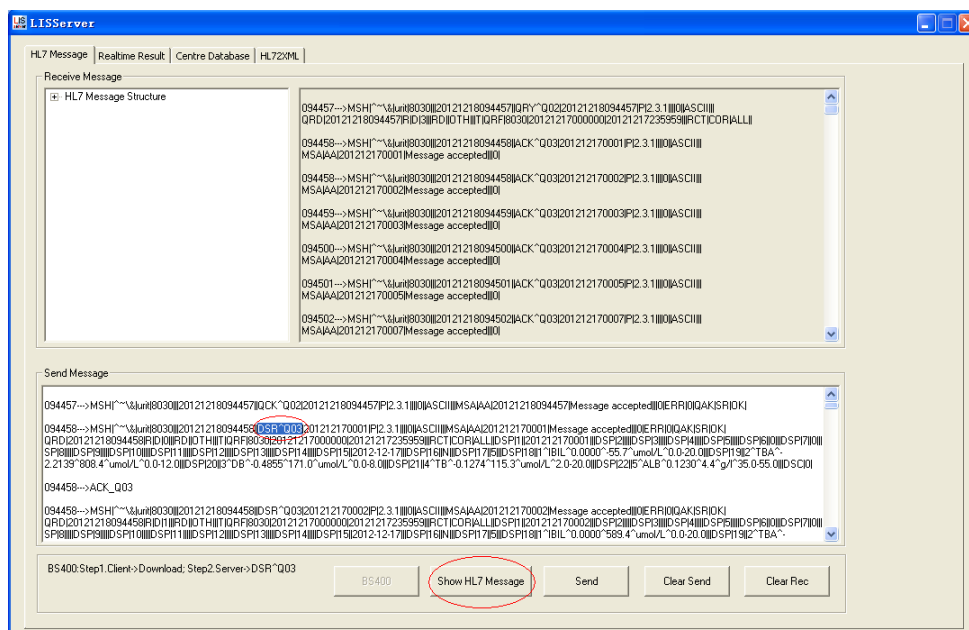
122118122118

Sam.ID

1

6. HL7 message debug

We had provided the HL7 protocol and base interface(LISHL7Interface.dll) to the end user. If the end user want to transfer or share the local data with the remote LIS/HIS. We suggest using the demo server to debug the HL7 message.



We can transfer the HL7 format message to XML format message. For more information, please refer to other document on the internet.

