

InnoCareLab

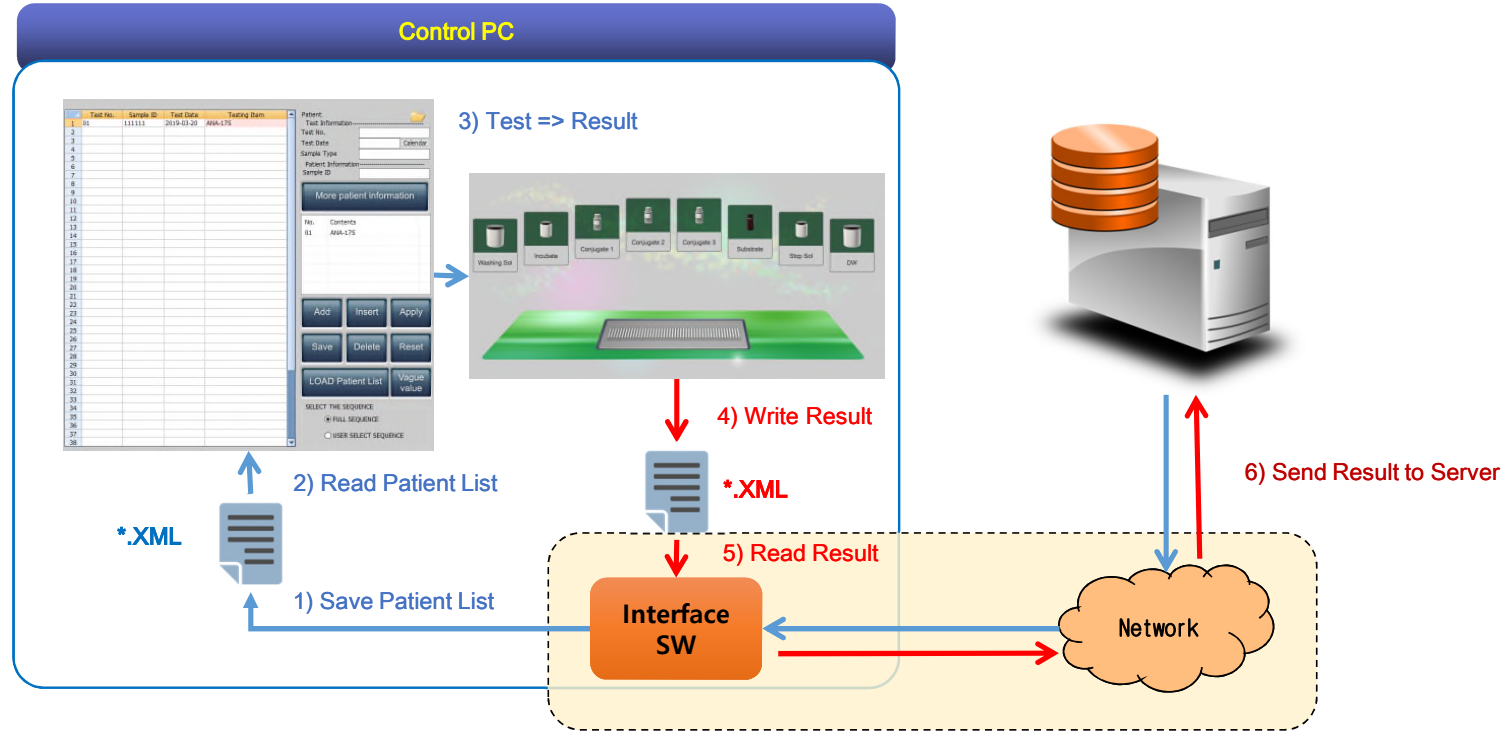
Interface

2019.03.21

sugentech

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InnoCareLab Host Interface workflow



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Patient List Read

- Interface SW 는 환자목록을 PC 에 저장한다.
- 검사자는 "열기" 버튼을 이용하여 환자목록을 불러온다.

The screenshot displays the 'Patient List Read' interface. On the left is a table with columns: Test No., Sample ID, Test Date, and Testing Item. The first two rows are populated with data. To the right of the table is a form for patient information, including fields for Test No., Test Date, Sample Type, Patient Information, and Sample ID. Below the form is a 'More patient information' button and a table with columns 'No.' and 'Contents'. At the bottom of the interface are buttons for 'Add', 'Insert', 'Apply', 'Save', 'Delete', 'Reset', 'LOAD Patient List', and 'Vague value'. A 'SELECT THE SEQUENCE' section at the very bottom has two radio buttons: 'FULL SEQUENCE' (selected) and 'USER SELECT SEQUENCE'. An orange circle highlights a folder icon in the top right of the interface, with an arrow pointing to a file explorer window titled '열기' (Open). The file explorer shows the 'InnoCareLab' folder containing a file named 'Patient_List_20190101.xml'. The file type is set to 'XML 문서'. The file explorer also shows a list of files with columns for name, modified date, and type. The '열기' button is highlighted in blue.

	Test No.	Sample ID	Test Date	Testing Item
1	01	111111	2019-01-01	ANA-17S
2	02	111111	2019-01-01	ANA-17S
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
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22				
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24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				

Patient Test Information: Test No. Test Date Sample Type Patient Information Sample ID

More patient information

No.	Contents
01	ANA-17S

Add Insert Apply Save Delete Reset LOAD Patient List Vague value

SELECT THE SEQUENCE
☒ FULL SEQUENCE
☐ USER SELECT SEQUENCE

열기

찾는 위치(): InnoCareLab

이름	수정된 날짜	유형
Patient_List_20190101.xml	2019-03-21 오후 1:...	XML 문서

파일 이름(N): *.xml
파일 형식(I): Patient List (*.xml)

열기(O) 취소

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Patient List Save (XML)

- Patient List

- Interface SW 는 병원 서버에서 환자 목록을 받아와 XML 파일로 저장
 - 내문서\\WWInnoCareLab\\WW*.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<Patient_List>
<Main
    Test_Complete=""
    Number_Of_Patient="1"/>
<Patient
    Test_Num=""
    Client=""
    Tester=""
    Confirmer=""
    SampleDate=""
    TestDate=""
    SampleName="ANA-17S"
    PatientName=""
    PatientNum="111111"
    PatientSex="Male"
    PatientBirthday=""
    PatientDepartment=""
    Comment="" />
</Patient_List>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<Patient_List>
<Main
    Test_Complete = "" 공란
    Number_Of_Patient="1" 환자명수/>
<Patient
    Test_Num="01" 환자순서(스트립 번호)
    Client=""
    Tester=""
    Confirmer=""
    SampleDate="2019-01-01" YYYY-mm-dd
    TestDate="2019-01-01" YYYY-mm-dd
    SampleName="ANA-17S" 고정
    PatientName="홍길동" 환자이름
    PatientNum="123456789" 환자아이디
    PatientSex="Male" 성별 (Male/Female)
    PatientBirthday="" 나이 또는 생일
    PatientDepartment="" 병과
    Comment="" />
</Patient_List>
```

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Patient List Save (XML)

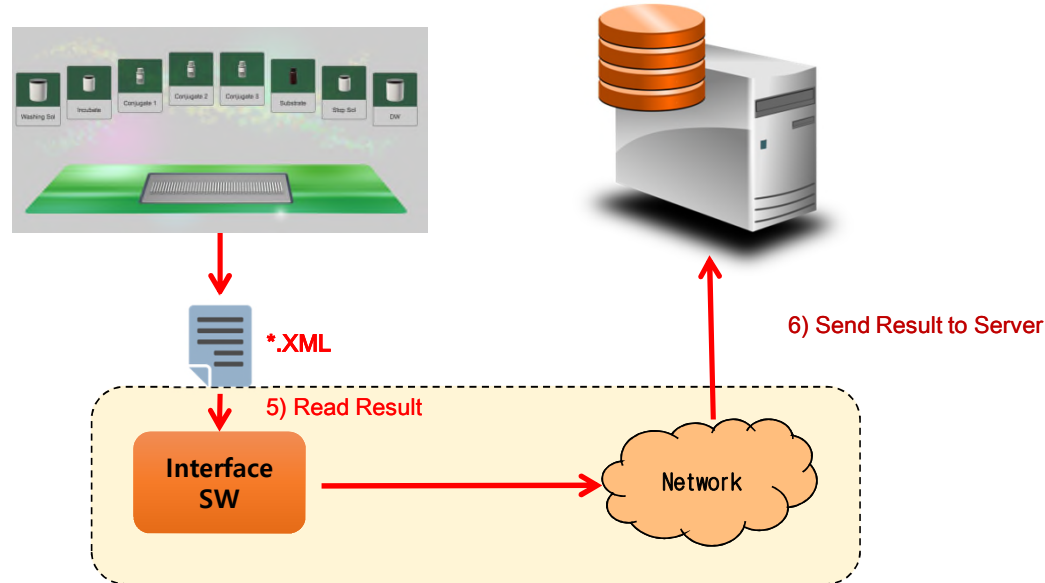
- Patient List XML 예제

```
<?xml version="1.0" encoding="UTF-8"?>
<Patient_List>
<Main Test_Complete="" Number_Of_Patient="2"/>
<Patient Test_Num="01" Client="" Tester="" SampleDate="2018-12-19" TestDate="2019-01-01"
SampleName="ANA-17S" Confirmer="" PatientName="" PatientNum="111111" PatientSex="Male"
PatientBirthday="" PatientDepartment="" Comment=""/>
<Patient Test_Num="02" Client="" Tester="" SampleDate="2018-12-19" TestDate="2019-01-01"
SampleName="ANA-17S" Confirmer="" PatientName="" PatientNum="222222" PatientSex="Female"
PatientBirthday="" PatientDepartment="" Comment=""/>
</Patient_List>
```

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Result Read

- 검사가 완료되면 각각의 환자 (Strip) 에 대하여 결과를 XML 파일로 저장한다.(자동으로 저장됨)
 - C:\ProgramData\WinnoCareLab\XmlFiles\Wyyyymm*.xml
- Interface SW 는 저장된 XML 파일을 읽어 병원 DB 에 전송한다.



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Result Read

- Result XML

- C:\ProgramData\WinnoCareLab\XmlFiles\yyyyymm

- yyyy-mm-dd_테스트번호_환자순서(스트립 번호)4자리.xml (2019-03-18_001_0001.xml)

- 테스트번호는 같은 날짜에 여러 번 검사하면 1씩 증가한다.

```
<?xml version="1.0" encoding="UTF-8"?>
<Result>
<Result
  Serial="01" 환자순서(스트립 번호)-환자목록에서 저장됨.
  PatientID="" 환자아이디
  ItemCode="18" 콘텐츠 번호(고정)
  ContentsName="ANA-17S" 콘텐츠 이름(고정)
  Date="2019-03-18" 검사날짜
  B_71="91.40(+++)" Band 71번 = Value(결과)
  B_72="43.11(++)"
  B_73="3.87(+)"
  B_27="4.59(+)" B_28="4.09(+)" B_29="4.50(+)" B_30="4.37(+)"
  B_38="4.16(+)" B_32="4.11(+)" B_31="3.29(-)" B_33="3.58(-)"
  B_34="2.98(-)" B_35="3.20(-)" B_36="3.77(-)" B_37="3.33(-)"
  B_40="3.38(-)" B_41="3.56(-)" B_39="3.72(-)" B_42="3.60(-)" B_43="3.71(-)"
  Result="Complete" 결과(Complete/Invalidation)
/>
</Result>
```

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Result Read

- Band 값
 - B_27="4.59(+)"
 - 27 번 Band dsDNA 의 값 : 4.59, 결과 : +
 - B_43="3.71(-)"
 - 43 번 Band Ku 의 값 : 3.71, 결과 : -
- 결과 종류
 - X, -, +, ++, +++, ±

Band 번호

71, HIGH
72, MEDIUM
73, LOW
27, dsDNA
28, Nucleosomes
29, Histones
30, SmD1
38, U1-snRNP
32, RPP/P0
31, PCNA
33, SS-A/Ro60kD
34, SS-A/Ro52kD
35, SS-B/La
36, CENP-B
37, Scl70
40, Jo-1
41, PM-Scl
39, AMA-M2
42, Mi-2
43, Ku

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