

## Routinely upload of antibody screen-test data

### from local Fusion-software to YASWA

September 5<sup>th</sup> 2018

#### 1. Fusion

##### Tag in Fusion

In Fusion in the 'Comments/(System)' field mark the result you wish to transfer with a tag and save. You need to register the tag on both Class I and Class II results, if you wish to export both results.

The tag should be parenthetically enclosed by [ ], start with SC: and followed by the Scandia number of the patient. Example patient with Scandia number 1234, should be written in the following way [SC:1234]

It doesn't matter if you have registered other information in the 'Comments/(System)' field in Fusion, this will not disturb the data transfer, as long as you use the format described.

The screenshot shows the Fusion software interface. At the top, there is a grid of columns labeled 1C(10), 1C(19), 1C, 2C, 5C, and 7C. Below the grid, there are several panels: 'Statistics' on the left, 'Epitope Analysis Results' in the center, and 'Final Assignment' on the right. The 'Epitope Analysis Results' table has the following data:

Spec.	>= X6	< X6	Mean (Raw)
B44	2	0	7352
B45	1	0	6809
B76	1	0	6047
B7	1	0	5742
B60	1	0	5558
B27	2	0	5304
B13	2	0	5300

At the bottom of the interface, there is a 'Comments/(System):' field with a red box around it containing the text '[SC:1234]'. Other fields include 'User Cutoff', 'DPR', 'CPR', 'Formula', 'Unacceptable Antigen', and 'Acceptable Antigen'.

##### Other information needed in Fusion

Registration of sample date in Fusion is obligatory to be able to import/insert information in YASWA.

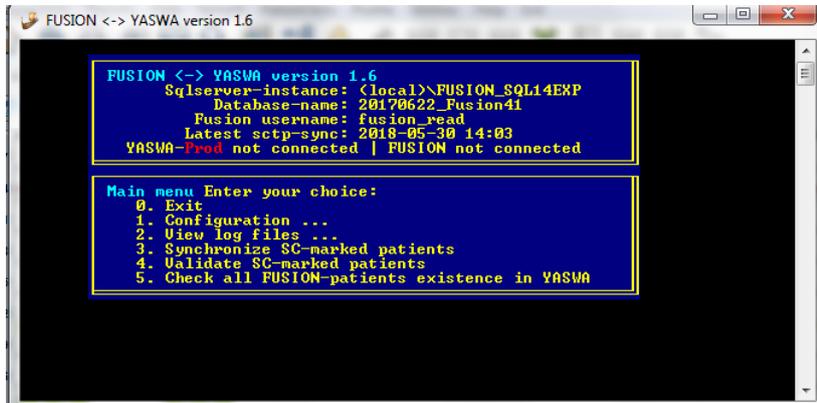
Person number is voluntary, but if you wish to validate person number and Scandia number (point 4) it is obligatory.

#### 2. Launch the Fusion -> YASWA application

Click on the Fusion <-> YASWA application (Viking ship icon) and the transfer program will open. If you are asked if you want to update the program, please answer yes. Updates/new versions are launched when the Scandiatransplant office has made corrections to the program.

### 3. Functionalities in application

When you open up the program, you will start in the main menu:



```
FUSION <-> YASWA version 1.6
Sqlserver-instance: <local>\FUSION_SQL14EXP
Database-name: 20170622_Fusion41
Fusion username: fusion_read
Latest sctp-sync: 2018-05-30 14:03
YASWA-Prod not connected | FUSION not connected

Main menu Enter your choice:
0. Exit
1. Configuration ...
2. View log files ...
3. Synchronize SC-marked patients
4. Validate SC-marked patients
5. Check all FUSION-patients existence in YASWA
```

#### 1. Configuration

Connection:

Fusion and YASWA connection, it is default set to last setting used. Please notice that YASWA-test runs against the test server <https://sc40.scandiatransplant.org/sctpTest/> and YASWA-prod runs against real data on production server <https://sc40.scandiatransplant.org/isoTopix/>.

This setting is changed through 1. Configuration -> 3. Toggle Production/test

Latest sctp-sync:

The program looks for the above specified tag in Fusion and when last update (save) was done on tagged patients in Fusion. Synchronize date is default set to look at changes done on SC-marked patients in Fusion since last import.

Please notice it is best to make the data transfer from the same computer each time or else you will have to be aware and change last sync date.

Sync date can be changed through 1. Configuration -> 4. Set last sync date of SC-markings

#### 2. View log files

Text document that displays patients updated, is cleared after each run.

#### 3. Sync SC-marked patients

Run actual import of final assignment and bead raw data

#### 4. Validate SC-marked patients

Validate SC-marked patients in Fusion with person and Scandia number in YASWA

#### 5. Check all Fusion-patients existing in YASWA

Validate all person number of all patients in Fusion to patients registered in YASWA

### 4. Validate

If you have registered person numbers in Fusion, start by selecting '4. Validate SC-marked patients'. This option will validate if the Scandia and person number in Fusion fits with what is found in YASWA.

**5. Check the validation log file**

A log file with all patients validated since last sync-date pops up, please check that everything looks okay.

**6. Synchronize**

When data is in place (and validation point 4. has been made) select '3. Synchronize SC-marked patients' to export data from Fusion to YASWA.

**7. Check update log file**

When data transfer is completed a log file will appear on the screen. Please run through the log file to see if any errors occurred.

**8. Data in YASWA**

Data will now be available through 'All recipients' in Fusion and Antibody Screen Test tabs