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Operation Manual

VEUDx Experiment Editor
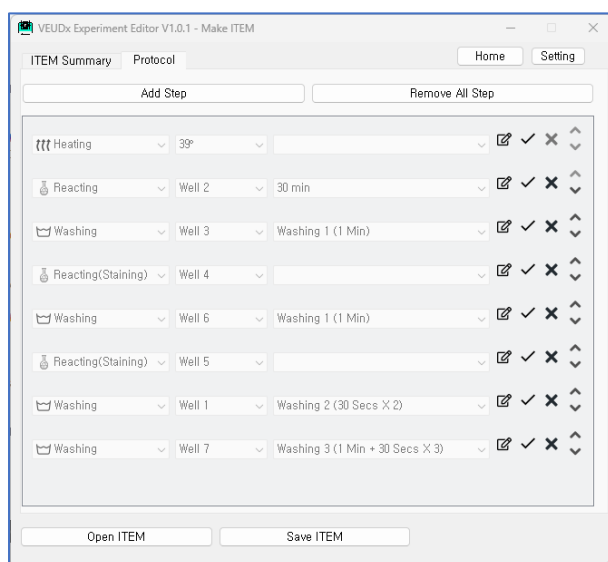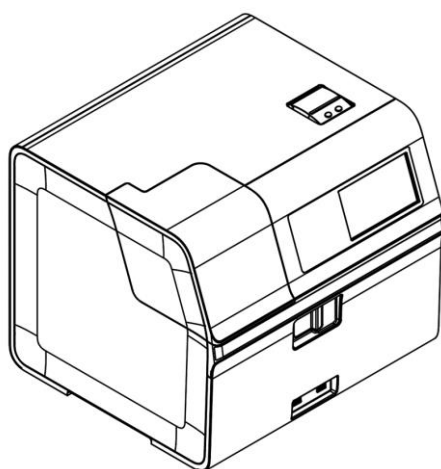
UM-VEUDx-1.0

User Manual History

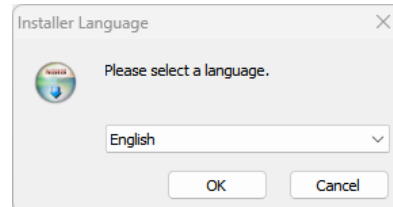| Rev. No.	Date	Major Change
1	2022.11.15	Initial Vesion
2	2022.12.06	V1.0.1 Step editing UI change
3		
4		
5		
6		

index

1. Installation

1.1 Installation

1.1.1 Execution Execute VEUDx Experiment Editor Setup V1.x.x.exe on PC.
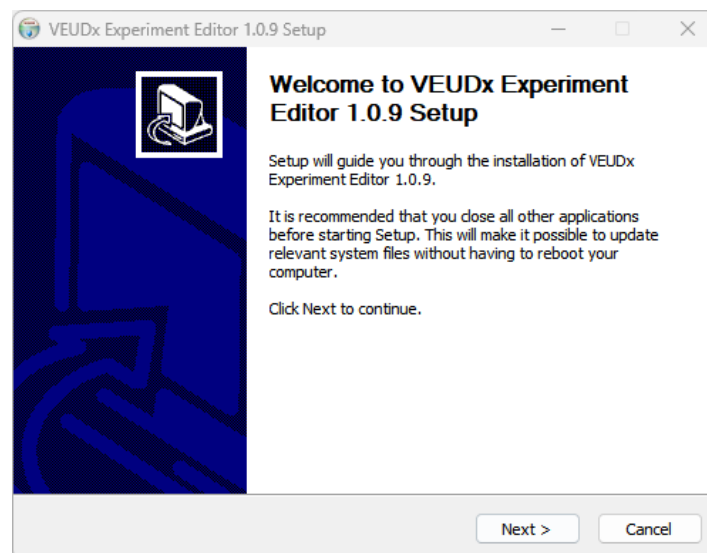
1.1.2 Language selection Choose the language you want to use
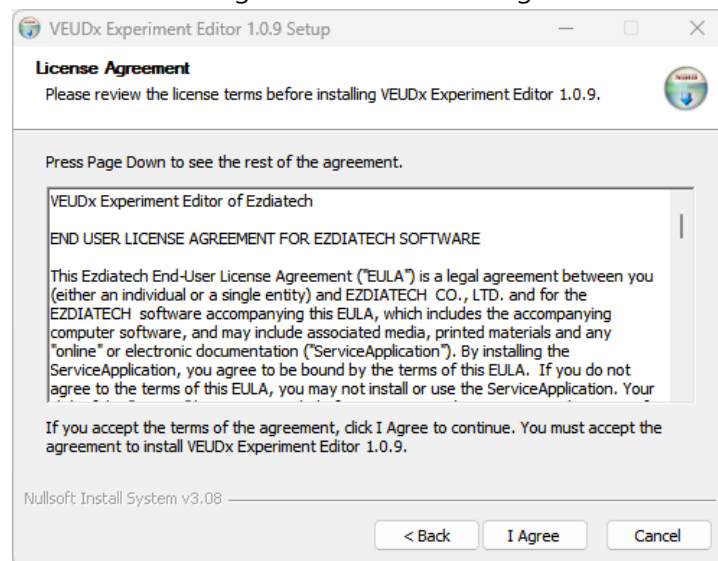

1.1.3 Start installation Check the contents and click 'Next'.
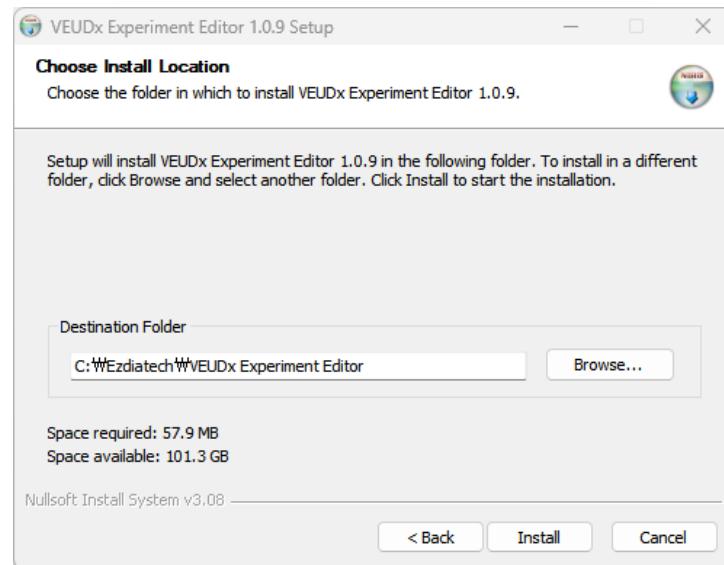

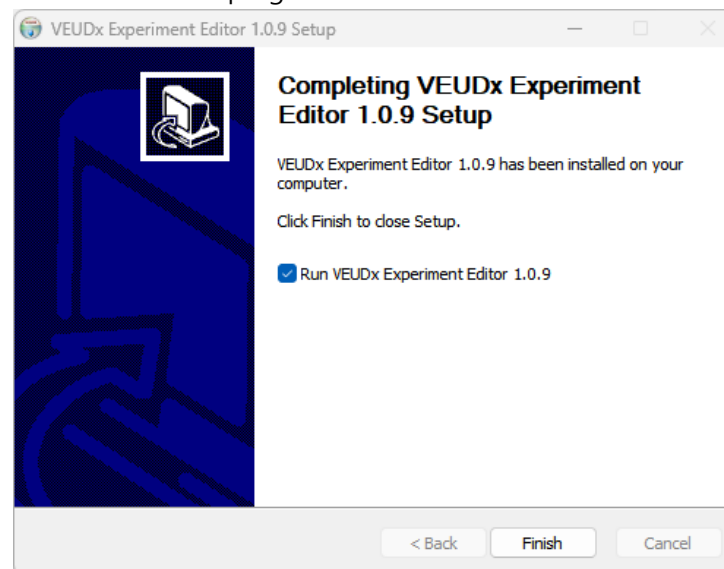**1.1.4 Check License** Read the license agreement and click 'I Agree'.

1.1.5 Installation Check the installation path and click 'Install'.

location

1.1.6 Installation completion

Check to run the program and click 'Finish'.

2. Term definition

2.1 ITEM

|	
2.1.1 ITEM	ITEM consists of ITEM name, (ex) TBI, Neurology), Marker name, Pixel Cut, Experiment Protocol, etc.
2.1.2 Protocol	Protocol is a collection of experimental procedures (Steps).
2.1.3 Step	This is the procedure for each well. (ex) Well 6 Washing 1 min)
2.1.3 ITEM file	ITEM File is created as VEUDxITEM_ITEM_name.zip file. (ex, VEUDxITEM_TBI.zip)

2.2 LOT

2.1.1 LOT	Depending on the produced LOT, it consists of calibration, concentration cut-off value, etc. An ITEM file is required to create a LOT.
2.1.2 LOT file	A LOT XML file that stores LOT information and a Barcode PDF file are created. Ex) VEUDxLOT_TBI_EZTB22111601.xml VEUDxLOT_TBI_EZTB22111601_BarCode.pdf

3. Start

3.1 Start screen

3.1.1 Start screen   On the start screen, you can select 'Create ITEM', 'Make LOT', or 'SW Manual'.
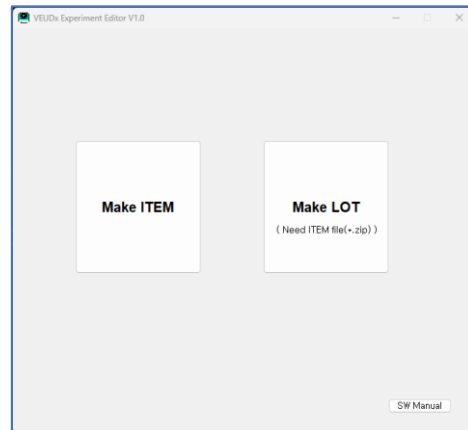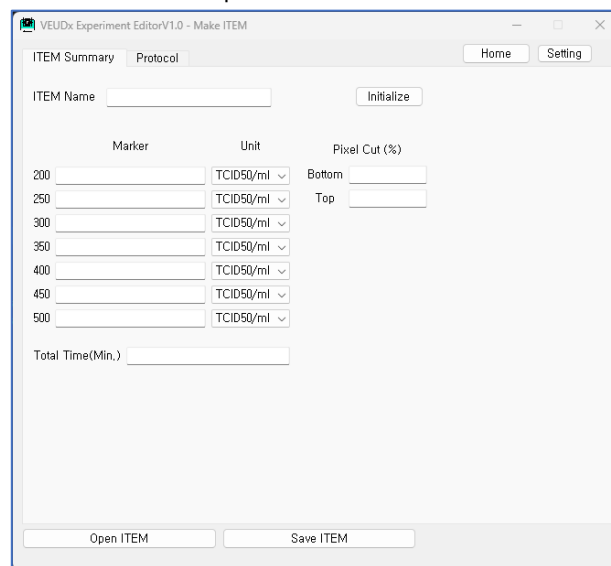

4. Make ITEM

4.1 ITEM creation start screen

4.1.1 Start screen   ITEM Open, save and edit are possible.

- In the ITEM Summary tab, you can edit the item name, maker name by RSMP length, unit, pixel cut, experiment time, etc.

- You can edit steps in the Protocol tab.

4.2 Edit ITEM Summary

4.2.1 Open ITEM
Press the "Open ITEM" button to select the previously created ITEM file.

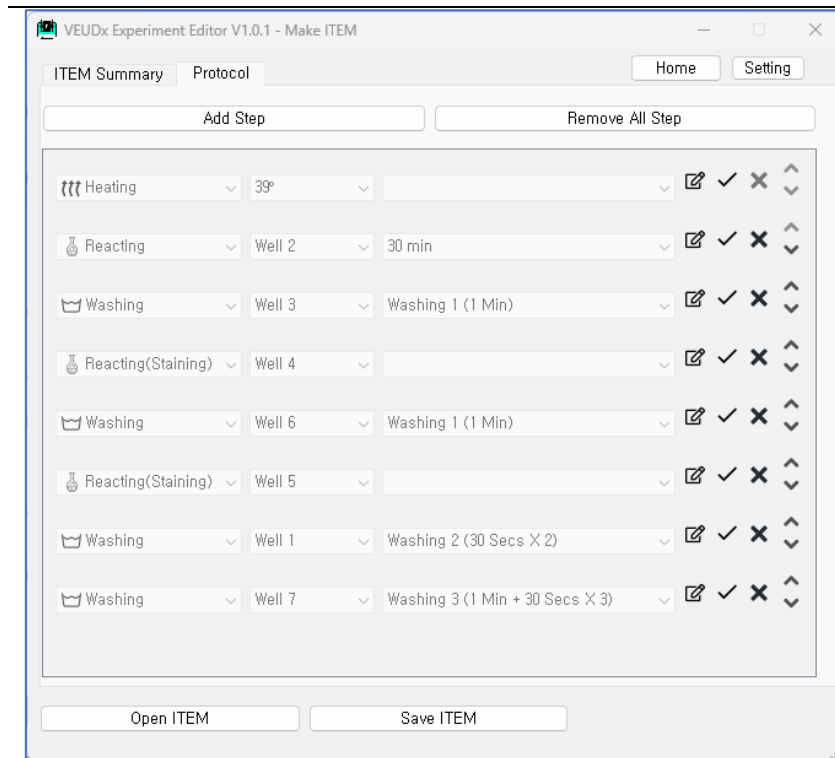ITEM files are in *.zip. (ex, VEUDxITEM_TBI.zip)

4.2.2 Edit ITEM Summary

- Item name
- Marker name used by RSMP length
- Unit used by RSMP length
- Total experiment time
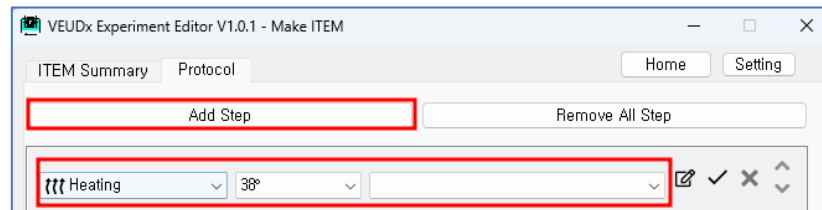-Pixel Cut Bottom, Top
  Editable.

4.3 Edit Protocol

4.3.1 Protocol tab
If you select the Protocol tab, you can edit the Step.

4.3.2 Add Step   Click the "Add Step" box at the top and add an item.

- Selection by Category

.Heating : 38° / 39° / X / RT selectable

.Reacting (Staining) : Reaction Well (Well 2~5) selectable

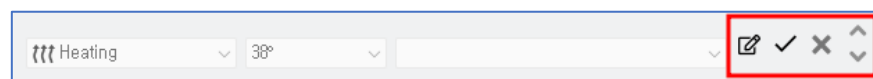.Reacting: Reaction well (Well 2~5) and time (5min~100min) selectable

.Washing: Well1~7 and time (20 secs, 30 secs, 1 min) selectable

.Deep Washing: Well1~7 and time (20 secs, 30 secs, 1 min, 30 secsX2,
                1 min+30 secs X 3) selectable

	Heating can be selected only once and must be located only in the first step.

4.3.3 Edit Step

-    : Step Change edit mode

- ✓ : Save Step

- ✗ : Delete Step

- ⌃ ⌄ : Change Step Order
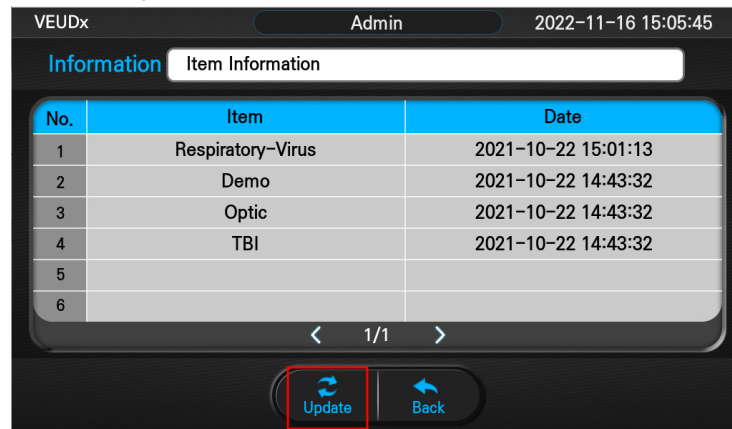
4.4 Save ITEM and Installation

4.4.1 Save ITEM to PC

Click the "Save ITEM" button to create an ITEM zip file.

*For how to save only protocol (script) for development reference, refer to the setting section.

4.4.2 ITEM installation on VEUDx equipment

1. Copy the ITEM file created above to an external USB memory
2. Run VEUDx equipment
3. Admin Login (Initial Admin Password: aaaa1234)
4. Click Settings
5. Click Information
6. Click Item
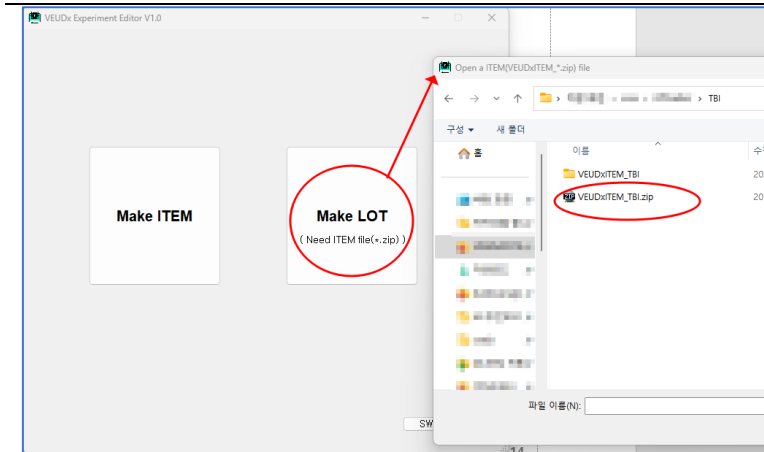7. Mounting on an external USB memory device
8. Select Update

No.	Item	Date
1	Respiratory-Virus	2021-10-22 15:01:13
2	Demo	2021-10-22 14:43:32
3	Optic	2021-10-22 14:43:32
4	TBI	2021-10-22 14:43:32
5		
6		

VEUDx — Admin — 2022-11-16 15:05:45
Information — Item Information
1/1
Update   Back

9. Select ITEM to update
10. ITEM update complete
11. Restart after shutting down the equipment

5. Make LOT

5.1 Select ITEM file

5.1.1 Select

Select ITEM file to make LOT.

ITEM file

5.2 Make LOT

5.2.1 Start

The ITEM name and Marker name read from the ITEM file are displayed.

5.2.2 Enter LOT information

- Cal Value (a, b, c, d),
- Concentration Cut-Off Max/Min
- LOT creation date
-LOT Serial
- LOT Expire Date can be entered.

*Barcode Name, Note can be used as a reference.
*For TBI ITEM, TBI Calibration min can be used. (Refer to Setting item)

5.2.3 Save LOT   Click the "Save LOT(+PDF)" button

Two LOT XML files and Barcode PDF files are created.

- LOT XML file (ex, VEUDxLOT_TBI_EZTB22111601.xml)

.Used to save work

When using VEUDx equipment, it can be used when there is no Barcode Reader equipment.

- Barcode PDF file (ex, VEUDxLOT_TBI_EZTB22111601_BarCode.pdf)

  It is used for reading VEUDx equipment LOT/Scrip Barcode by printing it out on paper.
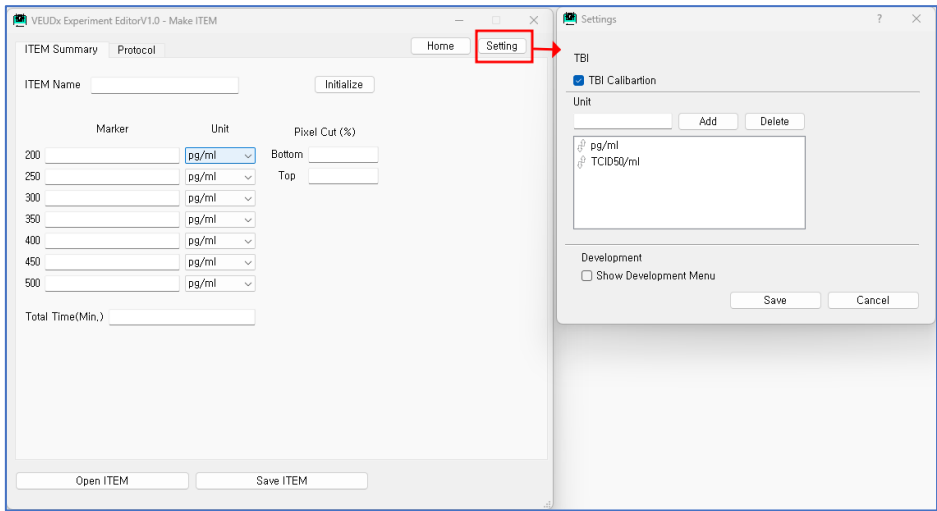

< VEUDx equipment LOT reading screen >

< PDF file for LOT Barcode output >

5.2.4 Open LOT   Editing is possible by selecting the saved LOT XML by pressing the "Open LOT" button.

6. Settings

6.1 Open Settings

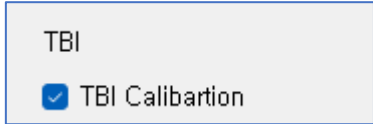**6.1.1 Open
Settings**
'Press the 'Settings' button.

6.2 TBI Calibration

**6.2.1 TBI
Calibration**
If TBI Calibration is checked, 'TBI Calibration min' menu is displayed

* This is a dedicated menu for "TBI" ITEM, and other items can be used if necessary.

6.3 Unit

6.2.1 Unit

Units to be displayed in the Unit Combo List of the ITEM Summary tab can be edited.

6.4 Development menu

**6.4.1
Development
menu**

If you select the development menu, you can open/save only the protocol and display comments for analysis.

6.4.2 Save protocol file

If you press the 'Save Protocol' button, only the Protocol (Script) file can be saved separately.

This is a development file and cannot be installed on a machine.

When "Add Comment", comments are displayed on the Protocol (Script).

< Protocol display according to annotation options >