

User's Manual



PC RapidScan Reader Rapid Test View Basic Software

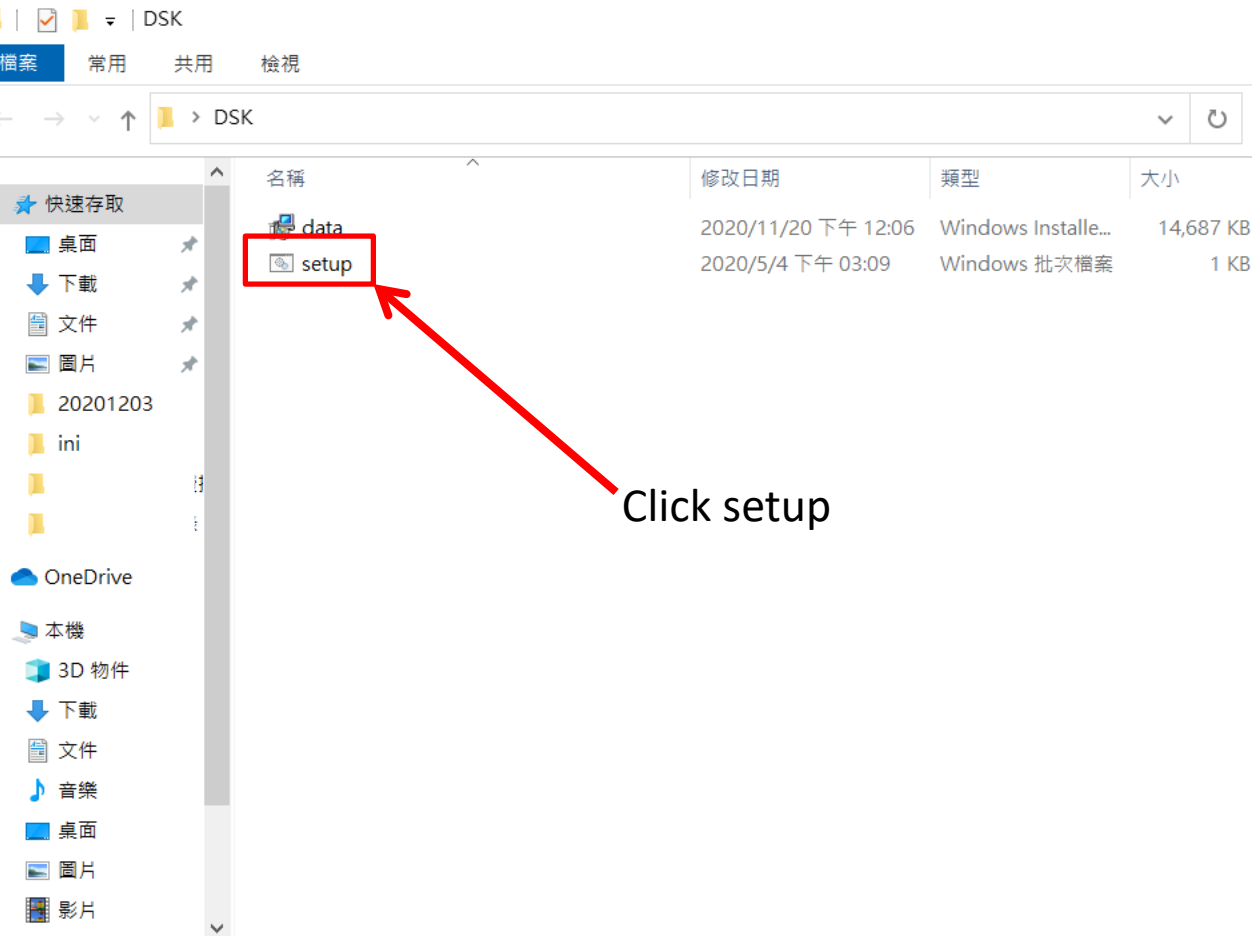
Pacific Image Electronics

Product package contents:

1. Rapid Test Reader x 1
2. USB cord x 1

Reader Specifications	
Image Sensor	CMOS
Light Source	Single light model: White light Dual light model: White light + UV
Scanning Media	Rapid test, signal in colorimetric or fluorescent format
Interface	USB 2.0
Application Software	Rapid Test View Basic
Supported System	Windows 7 or higher OS with minimum 4G RAM
Power	5V, 280 mA via host USB port

Software Installation

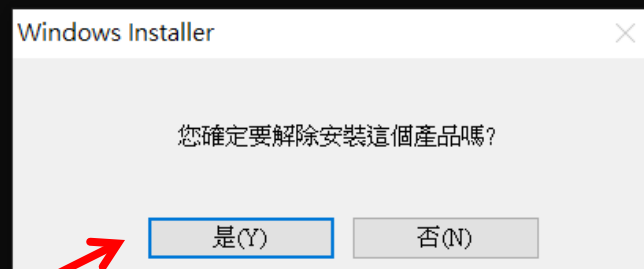


Find the “Setup” file on the provided CD or installation file from supplier. Double click to initiate the software installation.

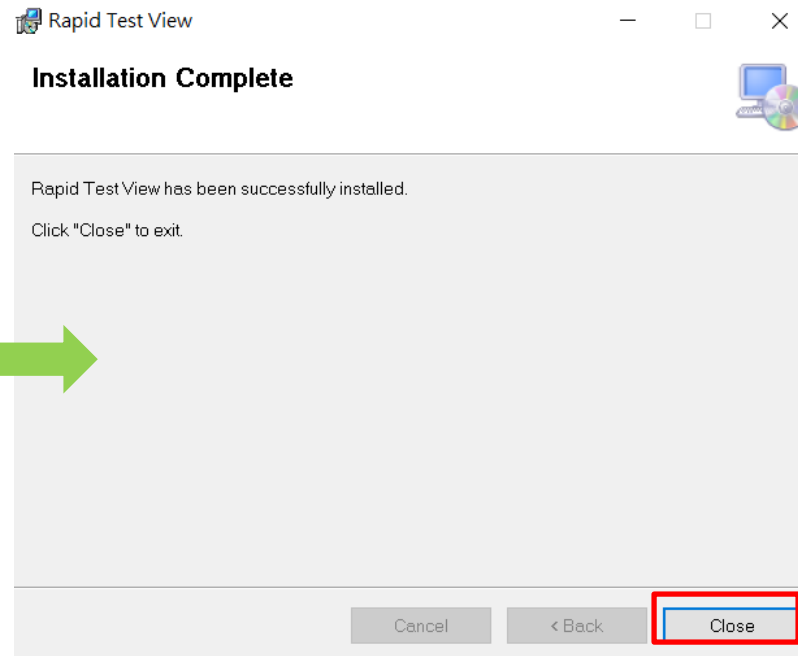
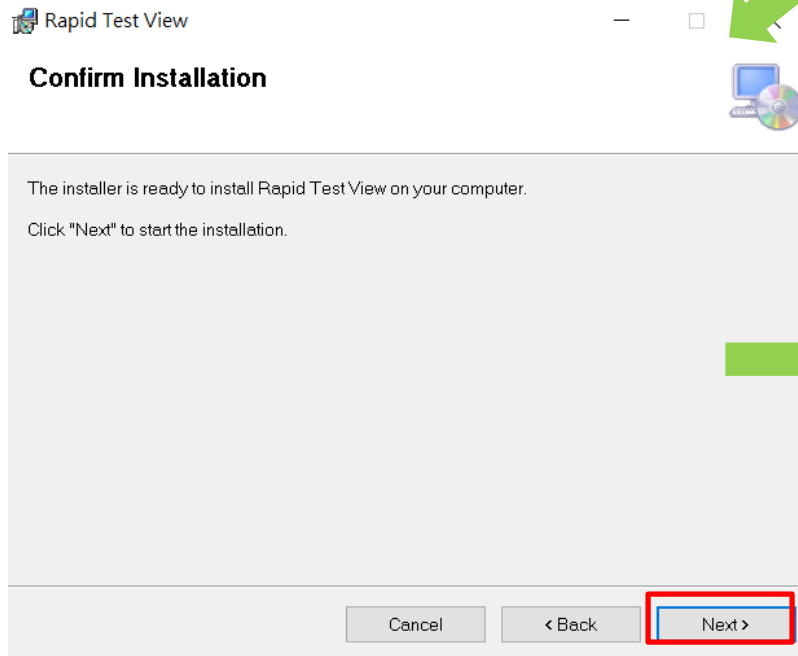
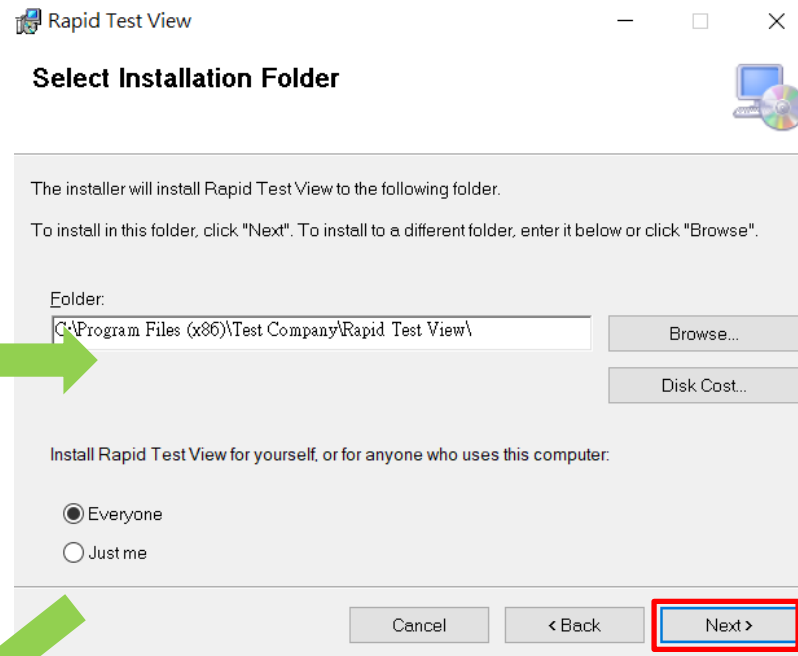
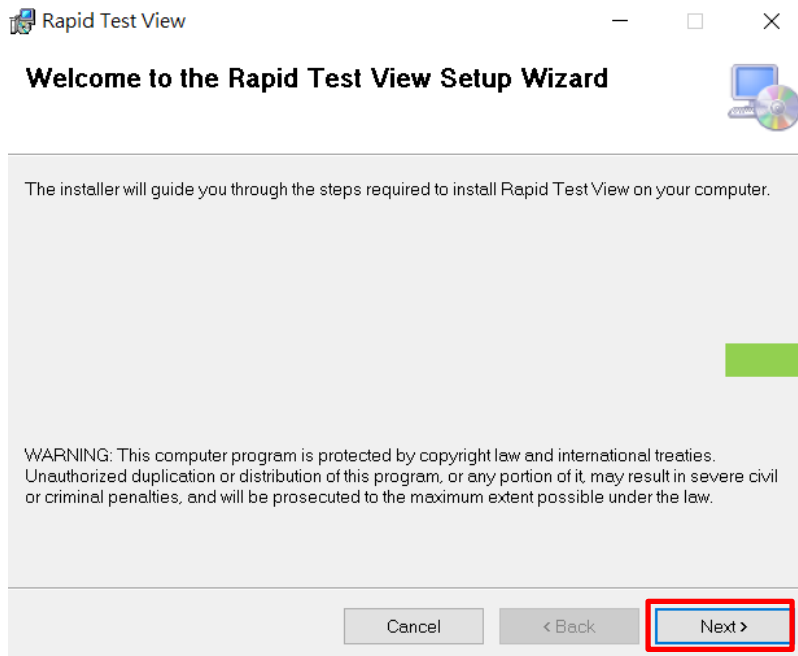
If the installation is successful, the App icon (see below) will appear on your computer desktop.



```
C:\Users\clhsu\Desktop\DSK>msiexec.exe /x {80998DA8-20B0-4A35-8652-BE3725987370}
```



After initiating the setup installer, you would see a dialog saying: Are you sure to uninstall this product? Just click “Yes” no matter what.



Open Rapid Test View

- Connect reader to your computer running Windows (Windows 7 or above) via USB B to A cable provided in package.

- Double click the RTV icon on the desktop to initiate software.

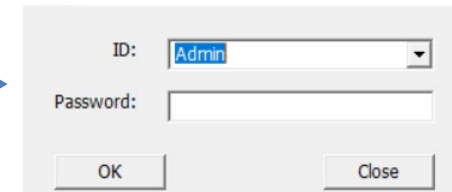


- The software will initiate device parameter settings and go through system diagnosis first.

System Diagnosis...(Set Default Settings)

- Once it passes the system diagnosis, the log in window will appear. Please contact supplier to obtain ID & Password.

Login



- For user authority management please refer to p19 User Management

- After successfully log in, UI default page will appear.



Capture & Analysis

Default page: Capture

RapidTestView

Capture Database User Setting

RAPID TEST VIEW BASIC

1. Product Code selection:

Input the testing information

Product Code : EXAMPLE@123

Del Add Calibrate Dilution Factor 1

2. Testing information:

Company/Lab Name : ABC Clinic Center

Company/Lab TEL : +886 23881234

Company/Lab Address :

Testing Date : 2021-03-10 Calendar...

User Name : Kevin Wang

Sample-No. : 2

Sample Type :

Testing Target :

Expiration Date : 2021-02-28

Lot No : 123

3. Analyze:

Start to analyze...

Delay to analyze...

Testing Result

20210310-1

Result : Positive

C-Value : 2299

T1-Value : 1598

Open the report folder...

Generate report

Remarks :

Exit

1.Product Code selection:

User can select different diagnosis product in this section.

User can delete , add product or do calibration for each product.

2.Testing information:

This section on UI is for user to input lab information, testing date, and patient/sample information.

3.Analyze:

Start to analyze: Click this icon to proceed analysis immediately.

Delay to analyze: Users can set a certain period of time to let system begin analysis after it reaches preset time

Default page: Capture(Cont.)

4. Testing Result: present result information include image.
Result: Can show negative / positive or any statement preset.

C Value: control line image intensity value

T-1 Value: Test line image intensity value

Open the image folder: To access the preset folder for image saving

Output to report: Generate PDF report

RapidTestView

Capture Database User Setting

RAPID TEST VIEW BASIC

Input the testing information

Product Code : EXAMPLE@123

Del Add Calibrate Dilution Factor 1

Company/Lab Name : ABC Clinic Center

Company/Lab TEL : +886 23881234

Company/Lab Address :

Testing Date : 2021-03-10 Calendar...

User Name : Kevin Wang

Sample-No. : 2

Sample Type :

Testing Target :

Expiration Date : 2021-02-28

Lot No : 123

Start to analyze...

Delay to analyze...

Testing Result

20210310-1

Result : Positive

C-Value : 2299

T1-Value : 1598

Open the report folder...

Generate report

Remarks :

Exit

Delete Profiles

How to delete useless or invalid product profiles in software?
Select product code for deletion and then press “Del” to remove selected product profile.

RapidTestView

Capture | Database | User | Setting |

RAPID TEST VIEW BASIC

Input the testing information

Product Code :

Del Add Calibrate Dilution Factor

Company/Lab Name :

Company/Lab TEL :

Company/Lab Address :

Testing Date :

User Name :

Sample-No. :

Sample Type :

Testing Target :

Expiration Date :

Lot No :

Testing Result

20210310-1

Result :

C-Value :

T1-Value :

Remarks :

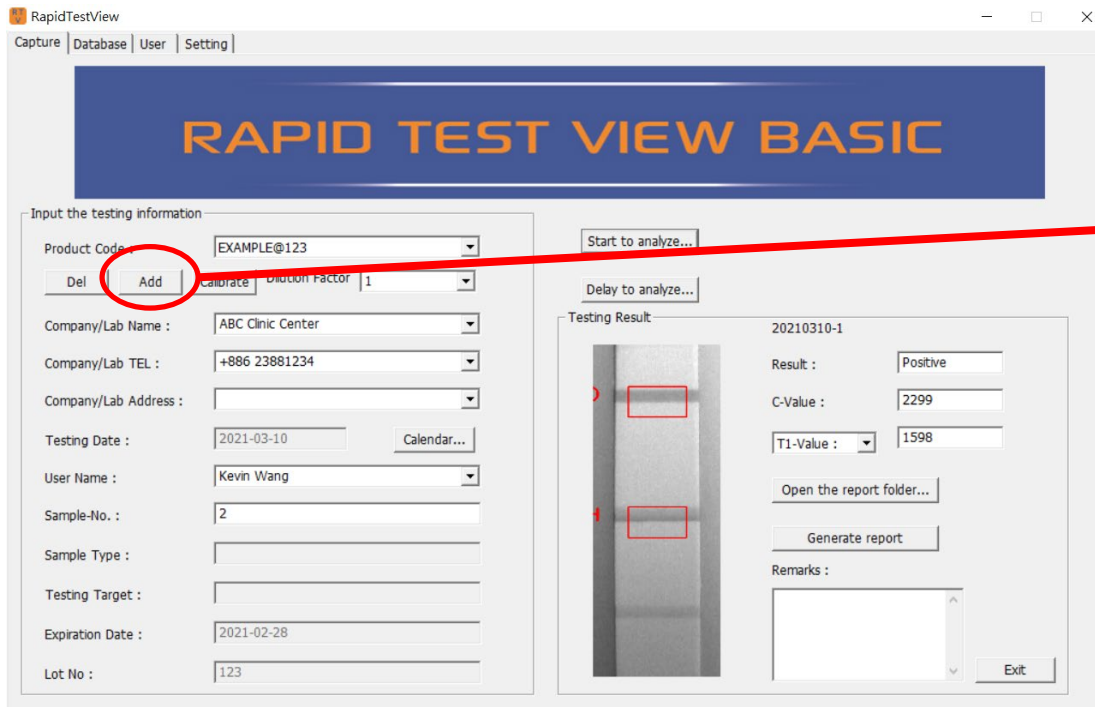
Add Profiles

Click “Add” to increase product profiles to software

Click “File” to select product profile saved in PC.

(Please contact supplier to know more about QR code function)

Added profiles will display in Product Code column if adding profile step is successfully done.



RapidTestView

Capture | Database | User | Setting

RAPID TEST VIEW BASIC

Input the testing information

Product Code :

Del Add Calibrate Dilution Factor

Company/Lab Name :

Company/Lab TEL :

Company/Lab Address :

Testing Date : Calendar...

User Name :

Sample-No. :

Sample Type :

Testing Target :

Expiration Date :

Lot No :

Start to analyze...

Delay to analyze...

Testing Result

20210310-1

Result :

C-Value :

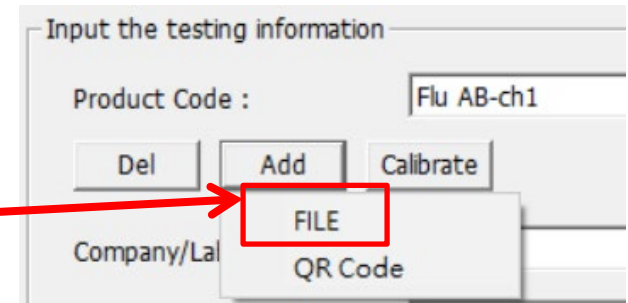
T1-Value :

Open the report folder...

Generate report

Remarks :

Exit



Input the testing information

Product Code :

Del Add Calibrate

Company/Lab

FILE

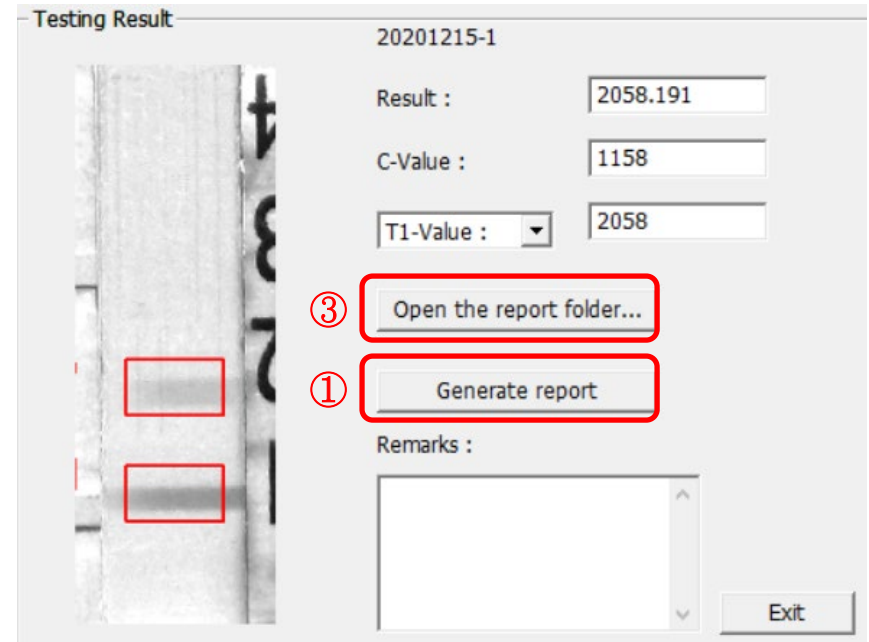
QR Code

Report

Report

The SW can generate a PDF report by clicking “① Generate report” on UI home page .

After showing “Detail report is complete”, click ② 確定 and then ③ open the report folder. You can see there’s ④ a PDF report in the folder.



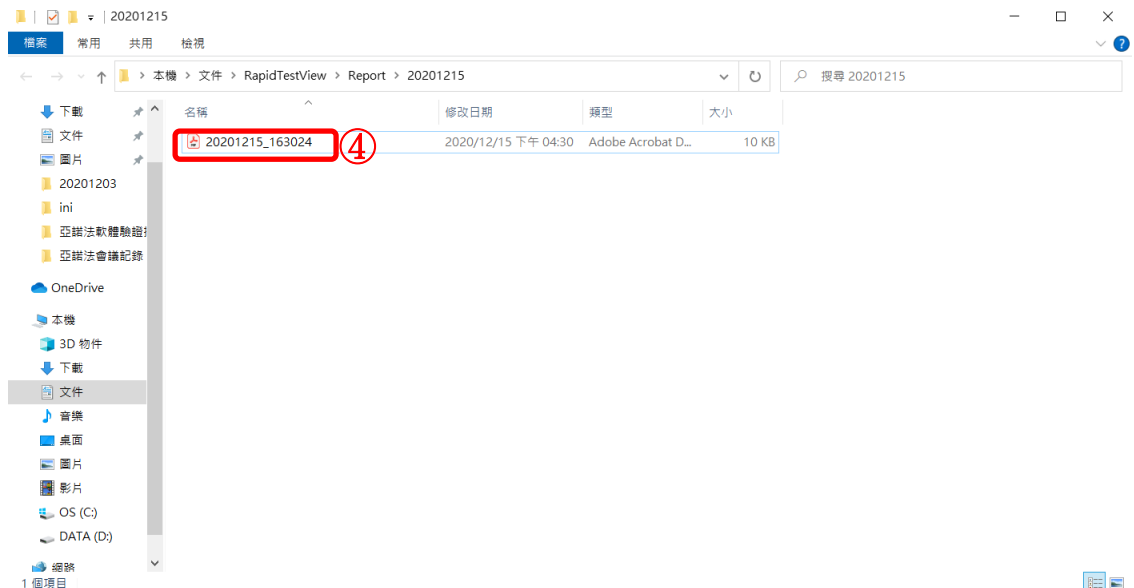
RapidTestView



Detail report is complete .

②

確定



Report

Example of PDF report

TEL :

Inspection Report

Testing Time : 20201215 163024

Testing Target :

Lot Number :

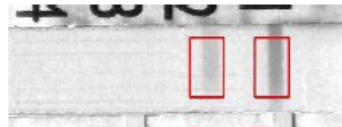
Sample Type :

Remarks :

Sample-No. : 2

Name	Result	Note
	2068.586	Fig.1

Fig 1.



Report Signed

Tester : _____(MM/DD/YYYY)

Supervisor : _____(MM/DD/YYYY)

Database

Database

All level of users can obtain diagnosis history from this section
Select testing date or a certain period to show diagnosis result, then click “Find”

RapidTestView

Capture Database User Setting

2020-12-02 ~ 2020-12-15 Find Export

No.	Date	Time	Profile	DeviceSN	SampleNo	Sample Type	User	Result
2	2020-12-15	16:30:24	Flu A	2033BA58A0...	2			2068.586
1	2020-12-15	13:45:03	Flu A	2033BA58A0...	1			2058.191
25	2020-12-03	17:07:49	Flu B	2033BA58A0...	25			6.035 ng/r
25	2020-12-03	17:07:49	Flu A	2033BA58A0...	25			2.141 ppm
24	2020-12-03	16:37:55	Flu B	2033BA58A0...	24			6.170 ng/r

Software then display all diagnosis results recorded within the time period you set

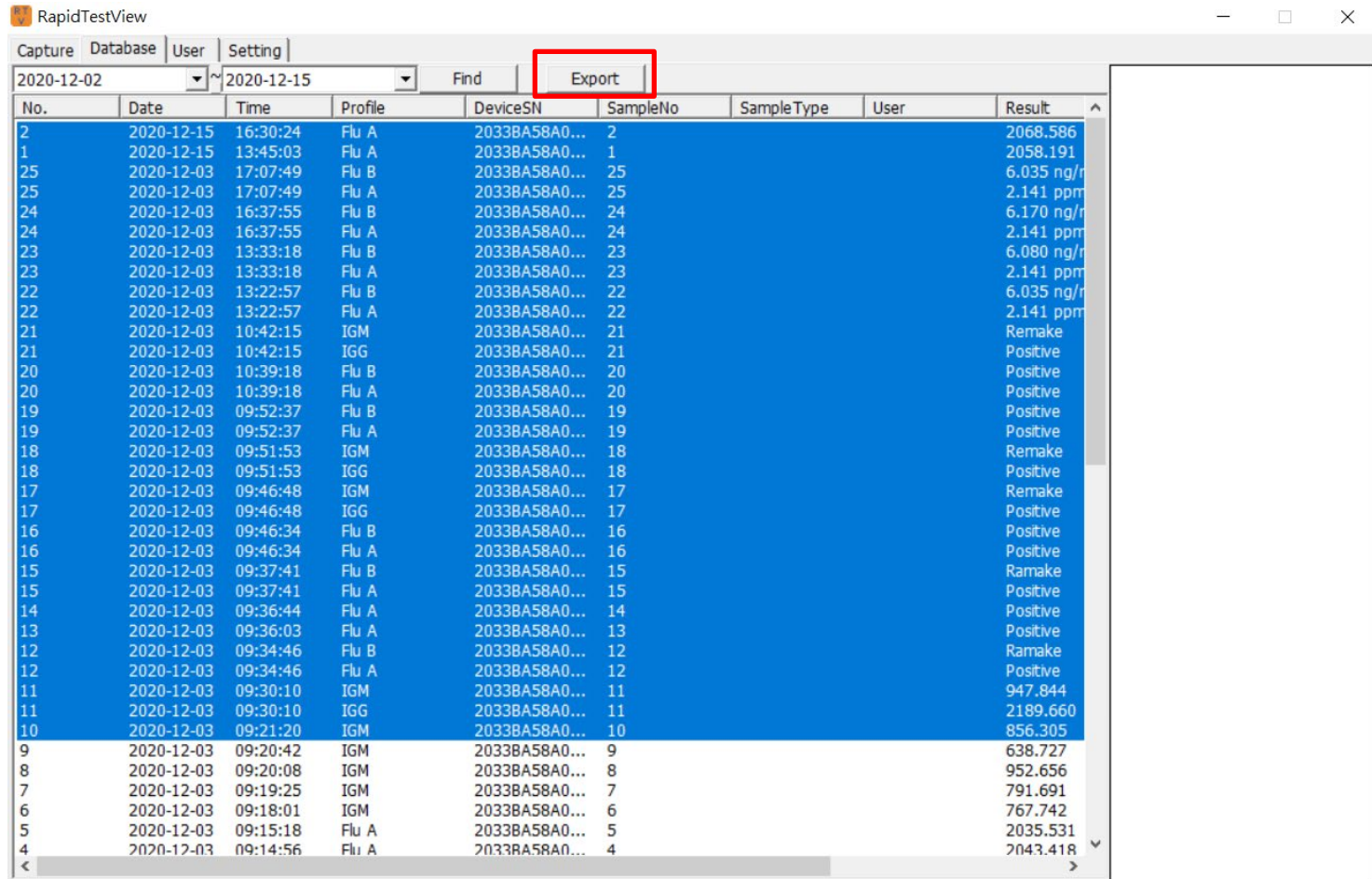
RapidTestView

Capture Database User Setting

2020-12-02 ~ 2020-12-15 Find Export

No.	Date	Time	Profile	DeviceSN	SampleNo	Sample Type	User	Result
2	2020-12-15	16:30:24	Flu A	2033BA58A0...	2			2068.586
1	2020-12-15	13:45:03	Flu A	2033BA58A0...	1			2058.191
25	2020-12-03	17:07:49	Flu B	2033BA58A0...	25			6.035 ng/r
25	2020-12-03	17:07:49	Flu A	2033BA58A0...	25			2.141 ppm
24	2020-12-03	16:37:55	Flu B	2033BA58A0...	24			6.170 ng/r
24	2020-12-03	16:37:55	Flu A	2033BA58A0...	24			2.141 ppm
23	2020-12-03	13:33:18	Flu B	2033BA58A0...	23			6.080 ng/r
23	2020-12-03	13:33:18	Flu A	2033BA58A0...	23			2.141 ppm
22	2020-12-03	13:22:57	Flu B	2033BA58A0...	22			6.035 ng/r
22	2020-12-03	13:22:57	Flu A	2033BA58A0...	22			2.141 ppm
21	2020-12-03	10:42:15	IGM	2033BA58A0...	21			Remake
21	2020-12-03	10:42:15	IGG	2033BA58A0...	21			Positive
20	2020-12-03	10:39:18	Flu B	2033BA58A0...	20			Positive
20	2020-12-03	10:39:18	Flu A	2033BA58A0...	20			Positive
19	2020-12-03	09:52:37	Flu B	2033BA58A0...	19			Positive
19	2020-12-03	09:52:37	Flu A	2033BA58A0...	19			Positive
18	2020-12-03	09:51:53	IGM	2033BA58A0...	18			Remake
18	2020-12-03	09:51:53	IGG	2033BA58A0...	18			Positive
17	2020-12-03	09:46:48	IGM	2033BA58A0...	17			Remake
17	2020-12-03	09:46:48	IGG	2033BA58A0...	17			Positive
16	2020-12-03	09:46:34	Flu B	2033BA58A0...	16			Positive
16	2020-12-03	09:46:34	Flu A	2033BA58A0...	16			Positive
15	2020-12-03	09:37:41	Flu B	2033BA58A0...	15			Remake
15	2020-12-03	09:37:41	Flu A	2033BA58A0...	15			Positive
14	2020-12-03	09:36:44	Flu A	2033BA58A0...	14			Positive
13	2020-12-03	09:36:03	Flu A	2033BA58A0...	13			Positive
12	2020-12-03	09:34:46	Flu B	2033BA58A0...	12			Remake
12	2020-12-03	09:34:46	Flu A	2033BA58A0...	12			Positive
11	2020-12-03	09:30:10	IGM	2033BA58A0...	11			947.844
11	2020-12-03	09:30:10	IGG	2033BA58A0...	11			2189.660
10	2020-12-03	09:21:20	IGM	2033BA58A0...	10			856.305
9	2020-12-03	09:20:42	IGM	2033BA58A0...	9			638.727
8	2020-12-03	09:20:08	IGM	2033BA58A0...	8			952.656
7	2020-12-03	09:19:25	IGM	2033BA58A0...	7			791.691
6	2020-12-03	09:18:01	IGM	2033BA58A0...	6			767.742
5	2020-12-03	09:15:18	Flu A	2033BA58A0...	5			2035.531
4	2020-12-03	09:14:56	Flu A	2033BA58A0...	4			2043.418

Database



RapidTestView

Capture Database User Setting

2020-12-02 ~ 2020-12-15 Find Export

No.	Date	Time	Profile	DeviceSN	SampleNo	SampleType	User	Result
2	2020-12-15	16:30:24	Flu A	2033BA58A0...	2			2068.586
1	2020-12-15	13:45:03	Flu A	2033BA58A0...	1			2058.191
25	2020-12-03	17:07:49	Flu B	2033BA58A0...	25			6.035 ng/r
25	2020-12-03	17:07:49	Flu A	2033BA58A0...	25			2.141 ppm
24	2020-12-03	16:37:55	Flu B	2033BA58A0...	24			6.170 ng/r
24	2020-12-03	16:37:55	Flu A	2033BA58A0...	24			2.141 ppm
23	2020-12-03	13:33:18	Flu B	2033BA58A0...	23			6.080 ng/r
23	2020-12-03	13:33:18	Flu A	2033BA58A0...	23			2.141 ppm
22	2020-12-03	13:22:57	Flu B	2033BA58A0...	22			6.035 ng/r
22	2020-12-03	13:22:57	Flu A	2033BA58A0...	22			2.141 ppm
21	2020-12-03	10:42:15	IGM	2033BA58A0...	21			Remake
21	2020-12-03	10:42:15	IGG	2033BA58A0...	21			Positive
20	2020-12-03	10:39:18	Flu B	2033BA58A0...	20			Positive
20	2020-12-03	10:39:18	Flu A	2033BA58A0...	20			Positive
19	2020-12-03	09:52:37	Flu B	2033BA58A0...	19			Positive
19	2020-12-03	09:52:37	Flu A	2033BA58A0...	19			Positive
18	2020-12-03	09:51:53	IGM	2033BA58A0...	18			Remake
18	2020-12-03	09:51:53	IGG	2033BA58A0...	18			Positive
17	2020-12-03	09:46:48	IGM	2033BA58A0...	17			Remake
17	2020-12-03	09:46:48	IGG	2033BA58A0...	17			Positive
16	2020-12-03	09:46:34	Flu B	2033BA58A0...	16			Positive
16	2020-12-03	09:46:34	Flu A	2033BA58A0...	16			Positive
15	2020-12-03	09:37:41	Flu B	2033BA58A0...	15			Ramake
15	2020-12-03	09:37:41	Flu A	2033BA58A0...	15			Positive
14	2020-12-03	09:36:44	Flu A	2033BA58A0...	14			Positive
13	2020-12-03	09:36:03	Flu A	2033BA58A0...	13			Positive
12	2020-12-03	09:34:46	Flu B	2033BA58A0...	12			Ramake
12	2020-12-03	09:34:46	Flu A	2033BA58A0...	12			Positive
11	2020-12-03	09:30:10	IGM	2033BA58A0...	11			947.844
11	2020-12-03	09:30:10	IGG	2033BA58A0...	11			2189.660
10	2020-12-03	09:21:20	IGM	2033BA58A0...	10			856.305
9	2020-12-03	09:20:42	IGM	2033BA58A0...	9			638.727
8	2020-12-03	09:20:08	IGM	2033BA58A0...	8			952.656
7	2020-12-03	09:19:25	IGM	2033BA58A0...	7			791.691
6	2020-12-03	09:18:01	IGM	2033BA58A0...	6			767.742
5	2020-12-03	09:15:18	Flu A	2033BA58A0...	5			2035.531
4	2020-12-03	09:14:56	Flu A	2033BA58A0...	4			2043.418

To select multiple results, hold the “shift” key and select the first and the last results. Then press “Export” on the top of the windows. The SW will create “CSV” file immediately.

Database

- ADMIN

RapidTestView

Capture Database User Setting

2020-12-02 ~ 2020-12-25 Find Export

Time	Profile	DeviceSN	SampleNo	SampleType	User	Result	C	T1
14:29:56	Profile_W@1	2033BA58A0...	2	DSA	Kevin Wang	Positive	417	550
14:26:26	Profile_W@1	2033BA58A0...	1	DSA	Kevin Wang	Positive	446	544
11:10:34	Profile_W@1	2033BA58A0...	2	DSA	Kevin Wang	Positive	450	540
11:08:28	Profile_W@1	2033BA58A0...	1	DSA	Kevin Wang	Positive	445	539

- USER & USER-ALL

ADMIN user sees diagnosis result and C, T value.
USER & USER-ALL can see only results.

RapidTestView

Capture Database Setting

2020-12-02 ~ 2020-12-25 Find Export

No.	Date	Time	Profile	DeviceSN	SampleNo	SampleType	User	Result
2	2020-12-24	14:29:56	Profile_W@1	2033BA58A0...	2	DSA	Kevin Wang	Positive
1	2020-12-24	14:26:26	Profile_W@1	2033BA58A0...	1	DSA	Kevin Wang	Positive
2	2020-12-24	11:10:34	Profile_W@1	2033BA58A0...	2	DSA	Kevin Wang	Positive
1	2020-12-24	11:08:28	Profile_W@1	2033BA58A0...	1	DSA	Kevin Wang	Positive
2	2020-12-24	09:47:24	Profile_W@1	2033BA58A0...	2	DSA	Kevin Wang	Positive

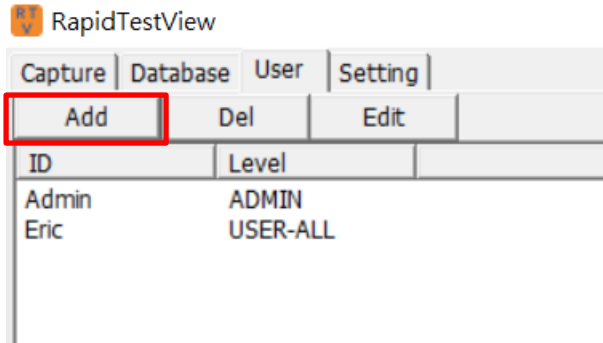
User Management

User Management

- Rapid Test View software has authority management function to let different level of users obtain different diagnosis result
- ADMIN
 - ADMIN is administration level of user. He/She can see all diagnosis results include image.
 - ADMIN can add/delete/edit USER-ALL & USER level of users
 - Only ADMIN can change ID/PW for USER-ALL & USER level of users
- USER-ALL
 - USER-ALL is the leader of his/her team. He/She can see all USERS' diagnosis result
- USER
 - USER can only see his/her own sample's diagnosis result

ADMIN: Add new user

Go to User section, Click “Add”

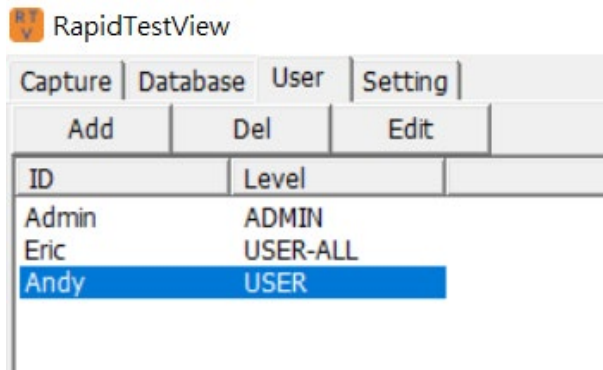


Login

Input ID & Password. Select level for user and press OK

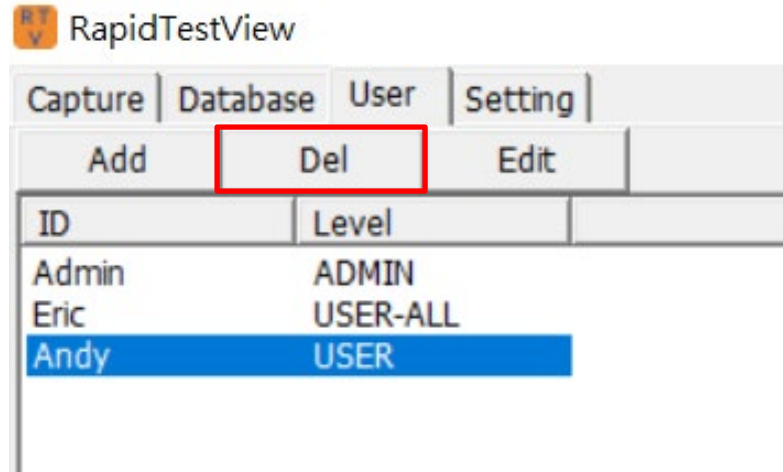
The screenshot shows the login form in the RapidTestView application. It has three input fields: 'ID:' with the value 'Andy', 'Password:' with the value '1234', and 'Level:' with a dropdown menu showing 'USER'. Below the input fields are two buttons: 'OK' and 'Cancel'.

New user is successfully added

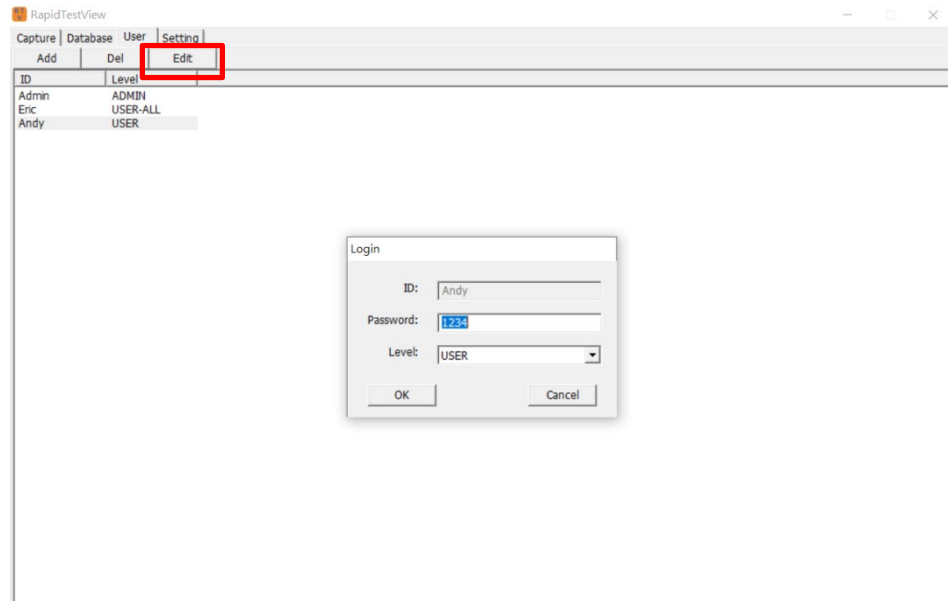


ADMIN: Del/Edit user

How to delete: Simply select user you want to remove and click “Del”



How to edit: Select user you want to edit and click “Edit”. Then edit ID, PW, Level press OK to finish



Note: If user forget PW, he/she has to ask ADMIN to edit a new PW for his/her ID. There is no PW checking function.

Setting

User can set data output folder, language & report auto generation

User can only show Group profile in homepage and choose whether to show C T frame in result image

RapidTestView

Capture Database User Setting

Rapid Test Data Export Folder : C:\Users\chsu\Documents\RapidTestView Choose a folder...

Language : English
English
繁體中文
简体中文

☐ Auto generate report

☐ Only Show Group Profile

☒ Mark C/T Frames at Result Image

System Manager Settings

QRCode Light Setting: 1st Light(for Strip)

Calibrate Target: BaseGap: 0 (C/T ROI Width ratio)

☒ Blank Strip White Target: 240

☐ None NearBandGap: 0.05 (Between C/T ROI and Base , -1:Auto)

☐ Data Transform ☐ Elaborated T ☐ Significant Digits ☐ Background Setting ☐ LotNumber Mark (Select it is ' _')

Reset About

“About” reveals SW version and license key information (For pro version only)

Encode QR

Guidance for diagnosis kit developer to create profile QR code image

Please contact supplier for QR code generation instruction .

Contact Information

For more information or any question, please contact :

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NEW TAIPEI CITY 221,
TAIWAN**

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