

Installation and Use Instructions for PluslifePad-Pet

1 Operating environment

Software name: PluslifePad-Pet

Current version: SV4.2.1

Operating environment: Windows 10 and above

2 PluslifePad Installation Instructions

Step 1, double-click on PluslifePad-Pet_setup.exe file appears as shown in Figure 2-1. Select the installation language and click "OK";

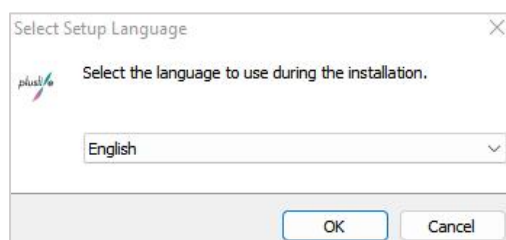


Figure 2-1

Step 2, select the installation directory, click "Browse..." to select (or use the default installation directory for installation), and then click "Next";

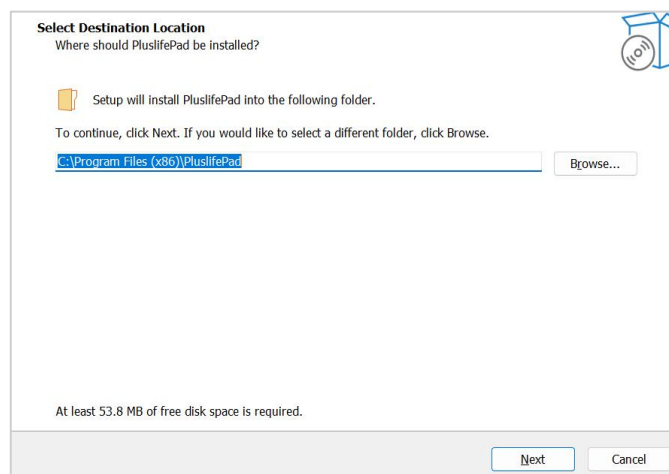


Figure 2-2

Step 3, Create a desktop shortcut and click 'Next';

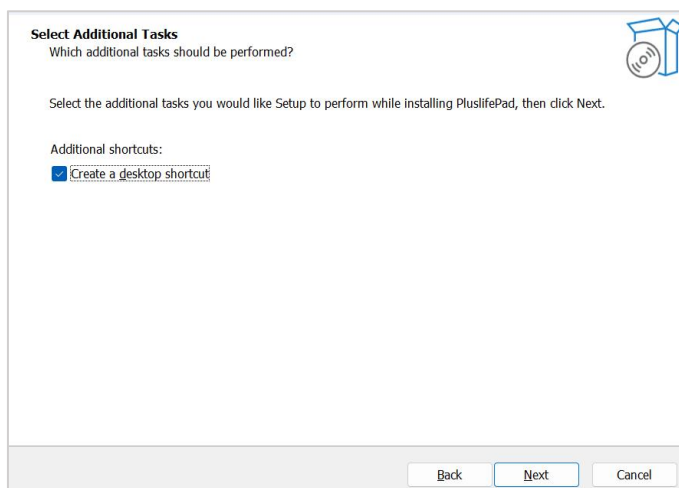


Figure 2-3

Step 4, click on "Install"

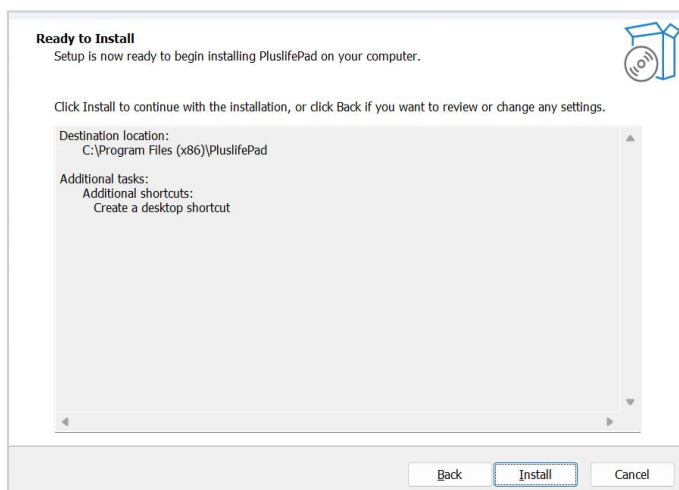


Figure 2-4

After successful installation, the interface shown in Figure 2-5 will appear. If the driver has not been installed before, please check 'Install USB Driver' to install the driver.

Note: The driver only needs to be installed when the software is installed for the first time. Subsequent software upgrades do not require reinstalling the driver, and this step can be skipped directly;

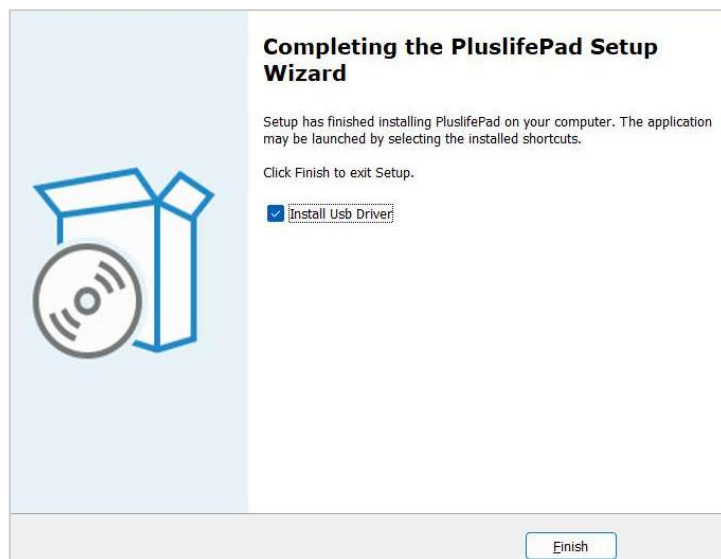


Figure 2-5

Double click the generated desktop shortcut to open the software or double-click the PluslifePad-Pet.exe file in the installation directory to open the software;

3 PluslifePad Instructions

3.1 log on

Double-click the generated desktop shortcut to open the software or double-click the PluslifePad.exe file in the installation directory to open the software. Enter the login interface, fill in the account and password (default administrator account: admin Password: admin), and click "Login" to enter the software.

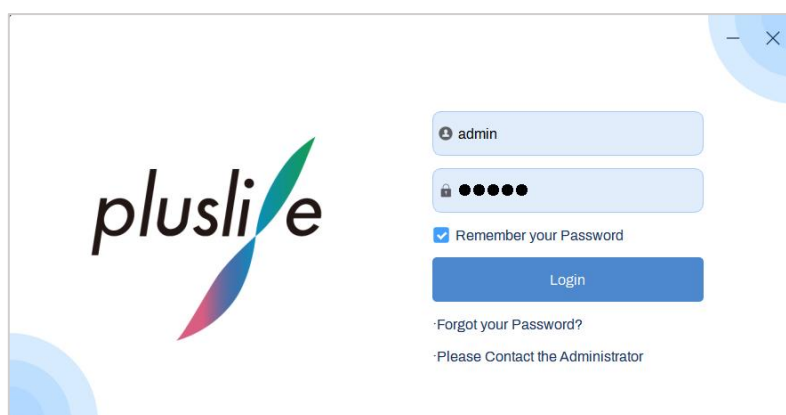


Figure 3.1-1

3.2 Creating new users and changing user information

Under the admin account, click "New User" in the user information interface and the interface shown in the figure will pop up. Enter relevant information and click "New" to complete the creation of a new user.

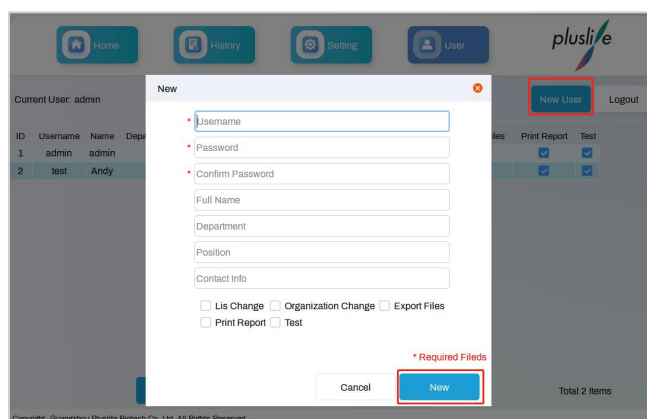


Figure 3.2-1

On the user information page, select the user who needs to be modified and click Modify to modify the user information.

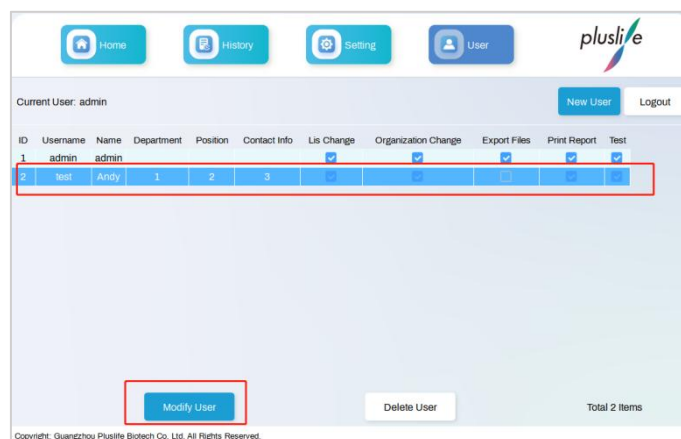


Figure 3.2-2

3.3 Language

Settings - Language Selection: After selecting the language, restarting the software takes effect, and you can choose "Restart" or "Start Later" (as shown in Figure 3.3-1);

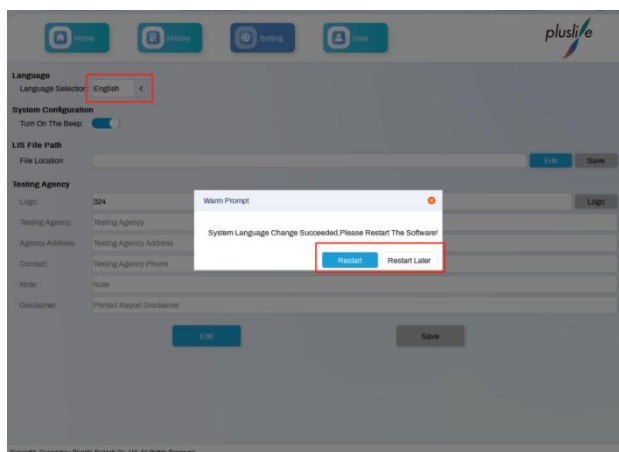


Figure 3.3-1

3.4 Lis File Generation Save Path Settings

Settings - File location: Click " Edit " to select the default file output location, then click " Save " and restart the software(As shown in Figure 3.4-1).

The default save path is:

C:\Users\xxx\AppData\Roaming\PluslifePad-Pet\LisCacheData\JsonCacheData

C:\Users\xxx\AppData\Roaming\PluslifePad-Pet\LisCacheData\HL7CacheData

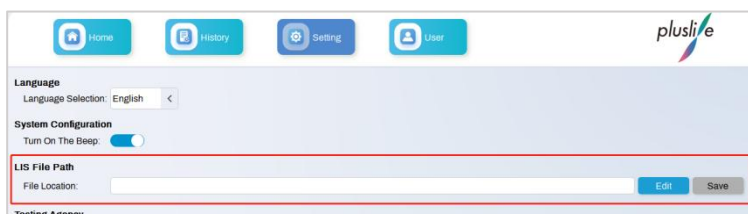
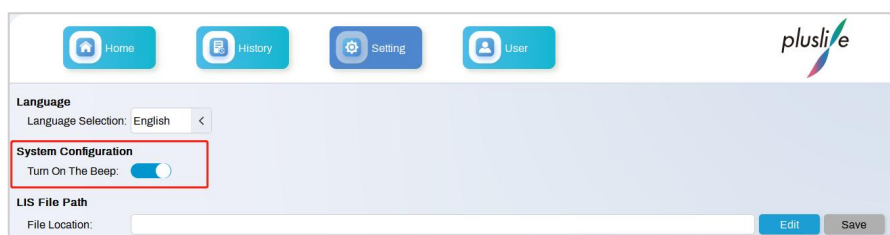


Figure 3.4-1

3.5 System Configuration

By default, the device offline prompt sound is turned on, and can be turned off by clicking.



3.6 Testing agency information setting

Click " Edit " to fill in the relevant information, and finally click " Save"(As shown in Figures 3.6-1 and 3.6-2) ;

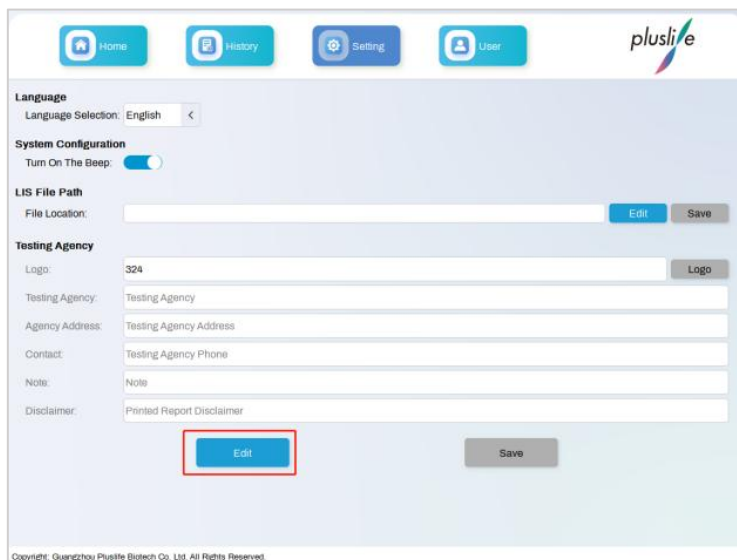


Figure 3.6-1

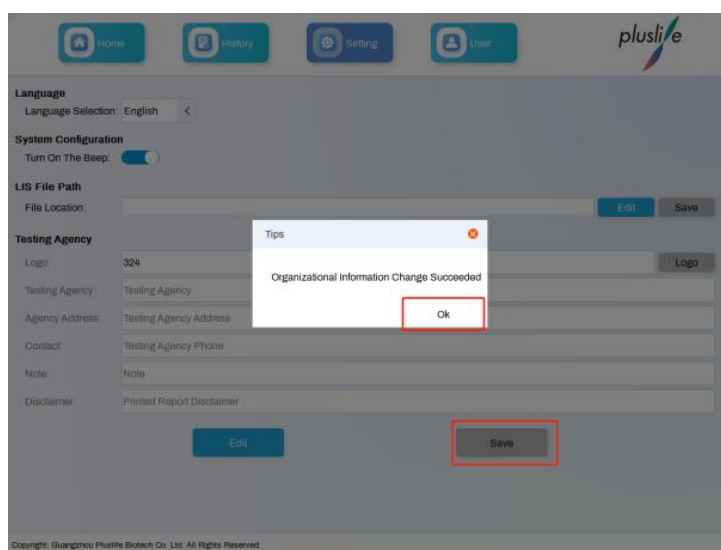


Figure 3.6-2

3.7 Connect the testing instrument

Connect the instrument and equipment to the computer and turn it on;

3.8 New Test

1. Wait for the connected instrument to appear on the home page. After the connection is successful, you can drag and sort it(As shown in Figure 3.8-1).

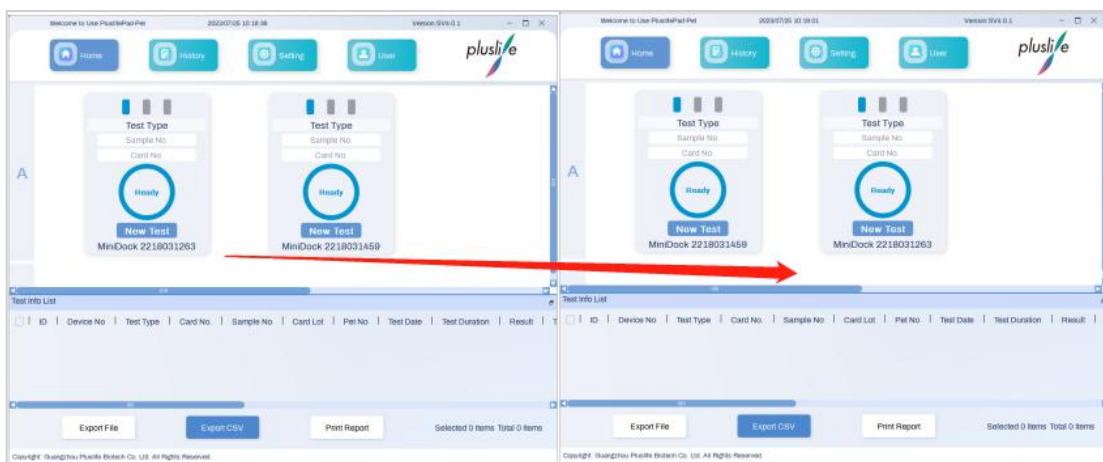


Figure 3.8-1

2. When the instrument status is "Ready", click "New Test" to enter the new test page, enter the sample number and chip number (if the card number is repeated, the test cannot be performed, and if the sample number is repeated, a prompt will be given without affecting the start of the test), and check and fill in the patient information as required (as shown in Figure 3.8-2 and Figure 3.8-3);

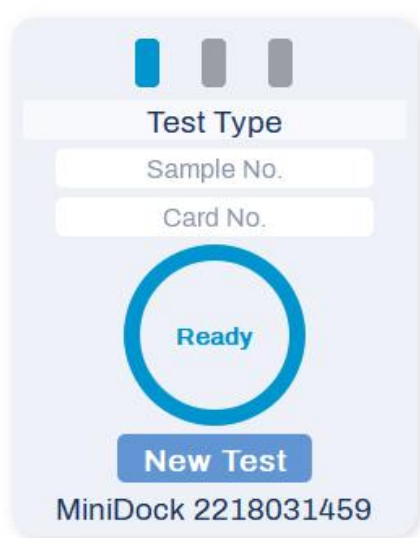


Figure 3.8-2

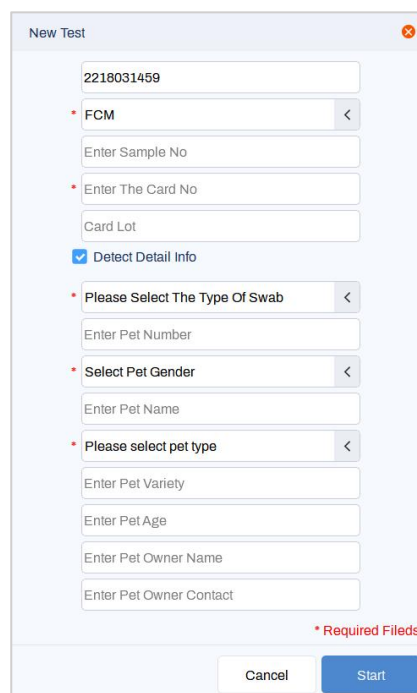


Figure 3.8-3

1. After completing the above steps, place the chip reaction card in the instrument, click "Start "(As shown in Figure 3.8-4).

Note: Please start the detection from the software

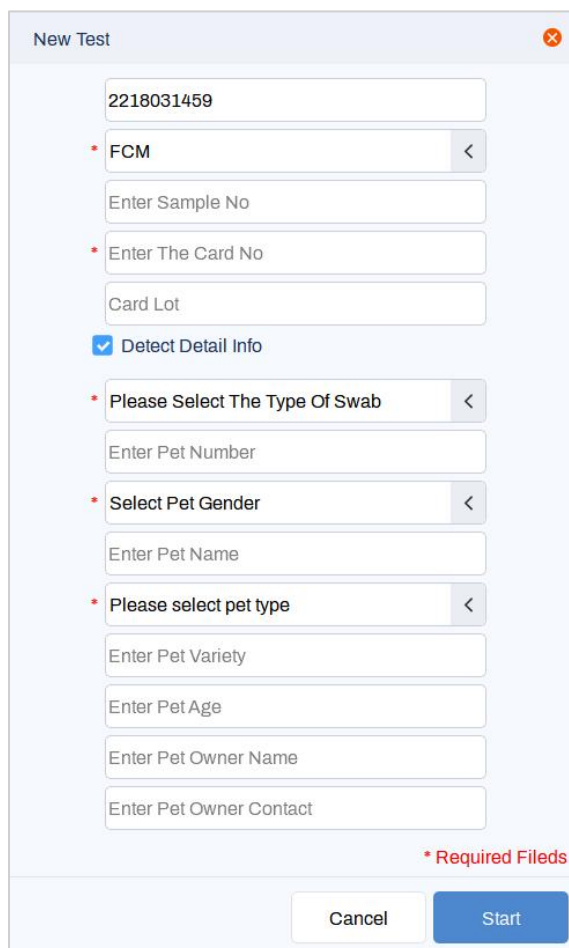

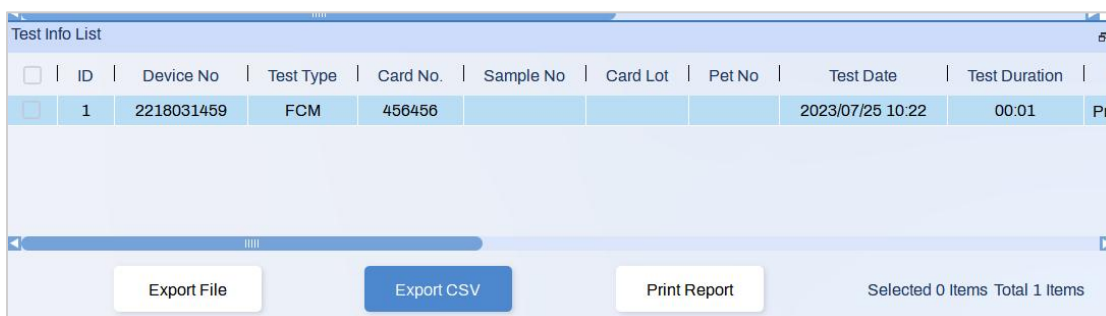


Figure 3.8-4

3.9 View test data

1. View test data in the Detect Info list(As shown in Figure 3.6-1).When the mouse light changes to “”, the information list display area can be detected by sliding up and down to change. If the detection information list is disconnected from the homepage, double-click the title bar of the detection information list to restore the detection information list.



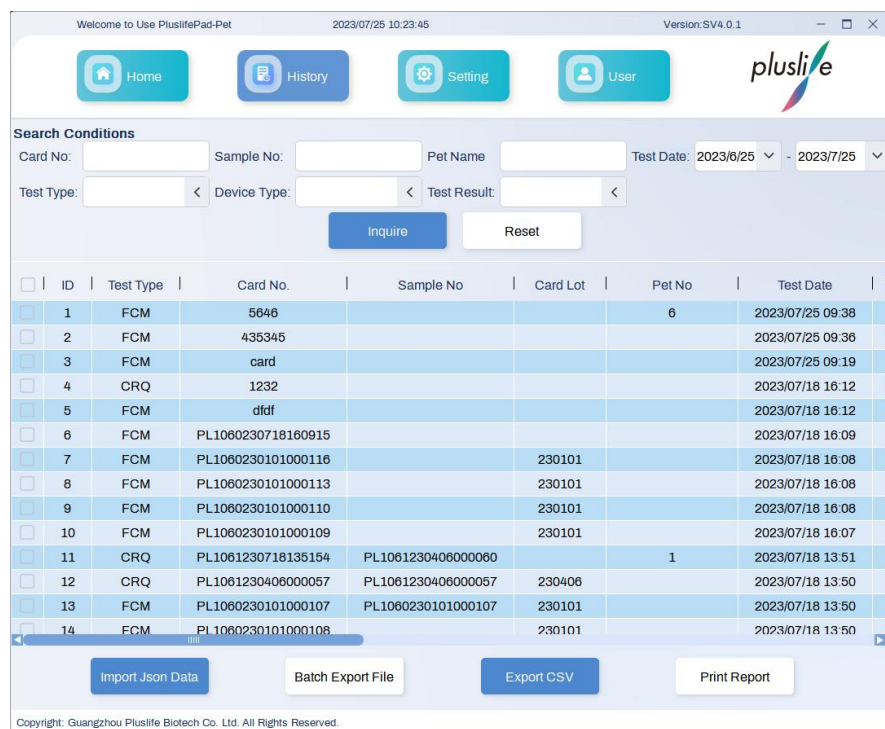
Test Info List

<input type="checkbox"/>	ID	Device No	Test Type	Card No.	Sample No	Card Lot	Pet No	Test Date	Test Duration	Pr
<input type="checkbox"/>	1	2218031459	FCM	456456				2023/07/25 10:22	00:01	Pr

Export File Export CSV Print Report Selected 0 Items Total 1 Items

Figure 3.9-1

1. Historical data viewing of detection data, default display of detection data from the past month(As shown in Figure 3.9-2).



Welcome to Use PluslifePad-Pet 2023/07/25 10:23:45 Version:SV4.0.1

Home History Setting User pluslife

Search Conditions

Card No: Sample No: Pet Name: Test Date: 2023/6/25 - 2023/7/25

Test Type: < Device Type: < Test Result: <

Inquire Reset

<input type="checkbox"/>	ID	Test Type	Card No.	Sample No	Card Lot	Pet No	Test Date
<input type="checkbox"/>	1	FCM	5646			6	2023/07/25 09:38
<input type="checkbox"/>	2	FCM	435345				2023/07/25 09:36
<input type="checkbox"/>	3	FCM	card				2023/07/25 09:19
<input type="checkbox"/>	4	CRQ	1232				2023/07/18 16:12
<input type="checkbox"/>	5	FCM	dfdf				2023/07/18 16:12
<input type="checkbox"/>	6	FCM	PL1060230718160915				2023/07/18 16:09
<input type="checkbox"/>	7	FCM	PL1060230101000116		230101		2023/07/18 16:08
<input type="checkbox"/>	8	FCM	PL1060230101000113		230101		2023/07/18 16:08
<input type="checkbox"/>	9	FCM	PL1060230101000110		230101		2023/07/18 16:08
<input type="checkbox"/>	10	FCM	PL1060230101000109		230101		2023/07/18 16:07
<input type="checkbox"/>	11	CRQ	PL1061230718135154	PL1061230406000060		1	2023/07/18 13:51
<input type="checkbox"/>	12	CRQ	PL1061230406000057	PL1061230406000057	230406		2023/07/18 13:50
<input type="checkbox"/>	13	FCM	PL1060230101000107	PL1060230101000107	230101		2023/07/18 13:50
<input type="checkbox"/>	14	FCM	PL1060230101000108		230101		2023/07/18 13:50

Import Json Data Batch Export File Export CSV Print Report

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Figure 3.9-2

3.10 Test results are exported in Lis file format

1. Select the detection data in the detection information list and click "Export File"(As shown in Figure 3.10-1).



Figure 3.10-1

2. Select the test data from the historical data and click "Batch export file"(As shown in Figure 3.10-2).

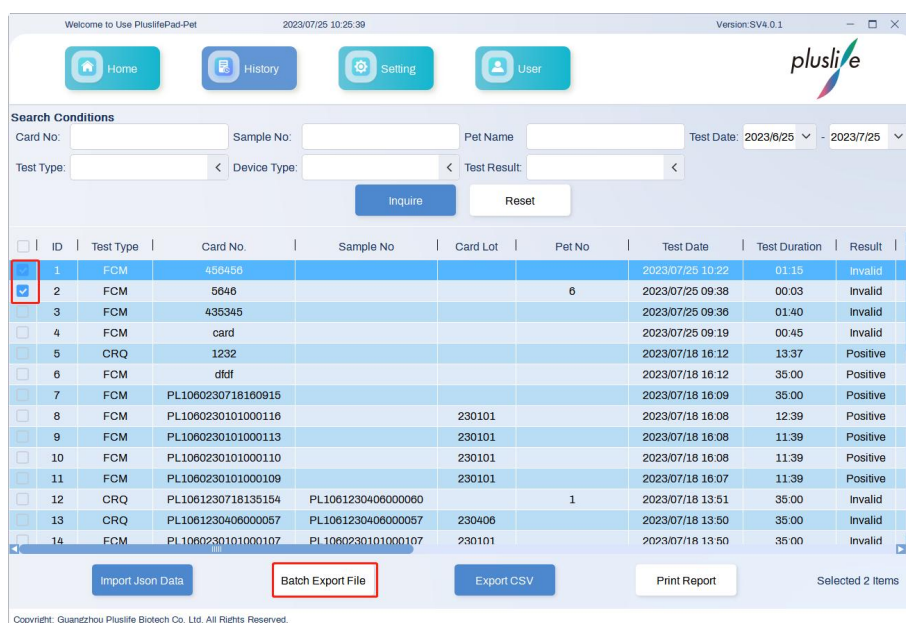


Figure 3.10-2

3.11 Export test results to a PDF file

1. Select the detection data in the detection information list to export to a PDF file

a. Click on "Print Report"(As shown in Figure 3.11-1).

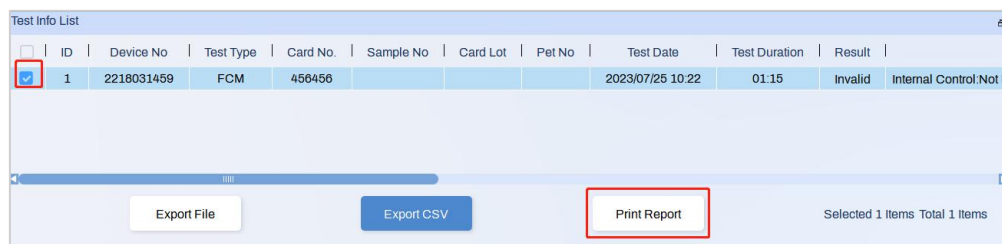



Figure 3.11-1

b. Click "  " after popping up as shown below(As shown in Figure 3.11-2).

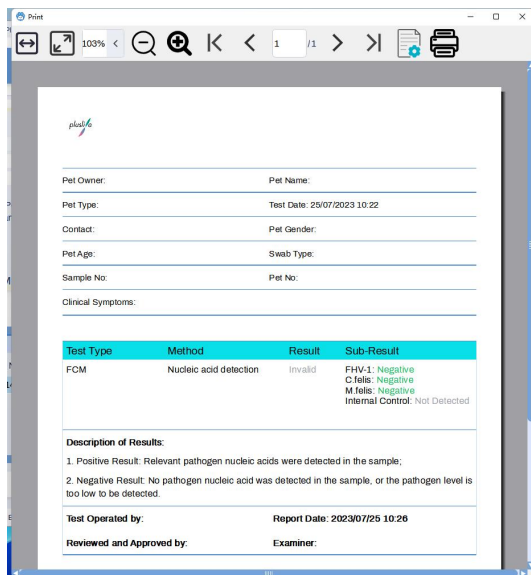


Figure 3.11-2

c. Select "Microsoft Print to PDF" and click "Print"(As shown in Figure 3.11-3).



Figure 3.11-3

2. Select the detection data from the historical data to export to a PDF file, as described in the above steps

3.12 Print test report

1. Select test data from the test information list to print the test report;

a. Click on "Print Report"(As shown in Figure 3.12-1).

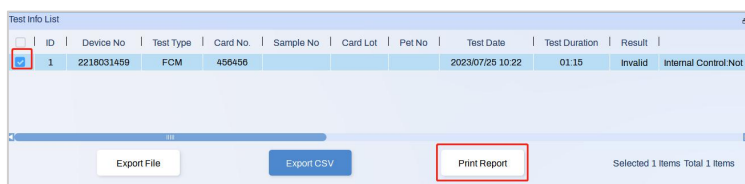



Figure 3.12-1

b. Click "  " after popping up as shown below(As shown in Figure 3.9-2).

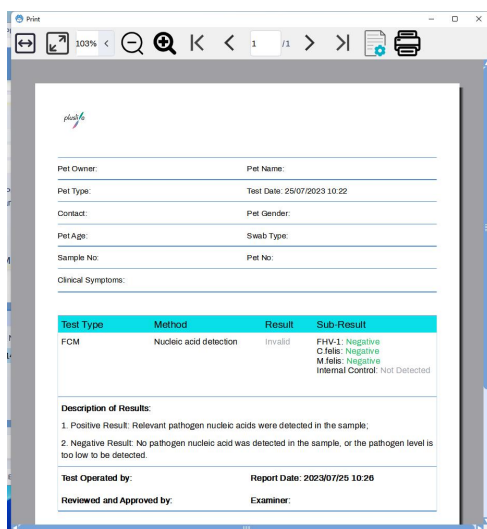


Figure 3.12-2

c. Select the PC printer driver and click "Print"(As shown in Figure 3.9-3).

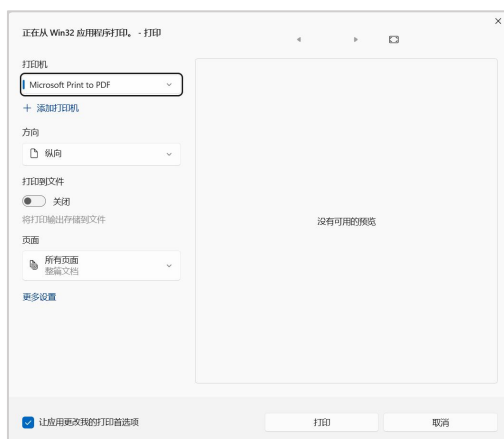


Figure 3.12-3

2. Select the test data from the historical data to print the test report. Please refer to the above steps for details.

3.13 Import PM008 JSON data

Firstly, place the JSON data that needs to be imported in a folder. Then, in the historical data interface, click "Import Json Data" and select the folder to import(Figure 3.13-1). After importing, a prompt will appear as shown in the figure 3.13-2

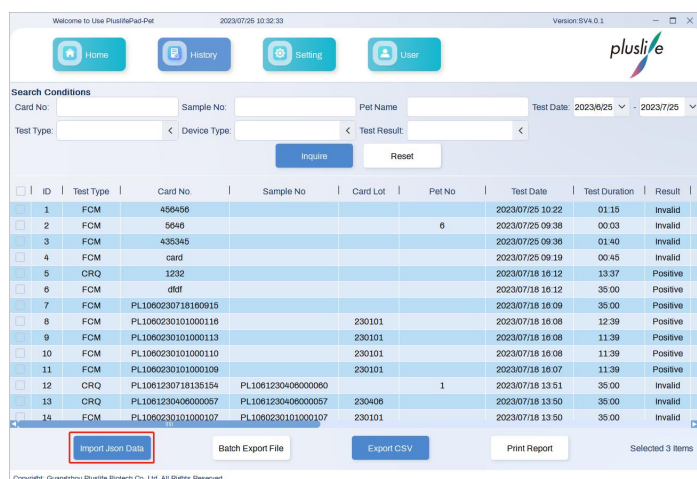


Figure 3.13-1

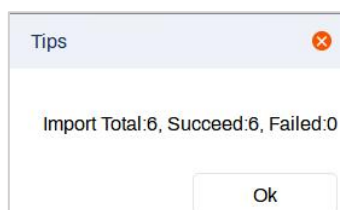


Figure 3.13-2

3.14 Offline device

If an offline situation occurs after connecting an instrument or device, right-click the offline device and click Delete Device. After the instrument is turned on and connected to the PC correctly, it can be automatically connected(As shown in Figure 3.14-1).Click the slider to turn off the current offline device

prompt tone (if you want to completely turn off the prompt tone, you can set it in the settings).

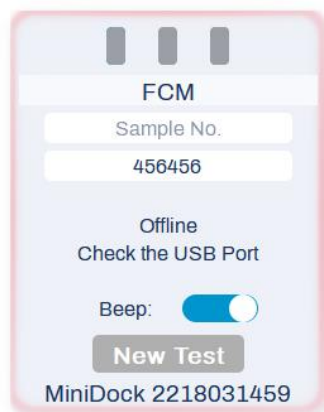


Figure 3.11-1

3.15 Stop detection

Right click on the device you want to stop and click "Stop Detection"(As shown in Figure 3.15-1)



Figure 3.15-1

3.16 PM008 data synchronization

Turn on PM008 to enter the setting - check that the data synchronization is turned on, use the data cable to connect PM008 to the computer. After the connection, as shown in the figure3.16-1, click "Data synchronization", wait for the data synchronization in PM008, and after the synchronization is completed, 100% is

displayed in the Progress bar(Figure 3.16-2). The relevant data can be viewed in historical data and related data operations can be performed (such as exporting files, CSV files, and reports).

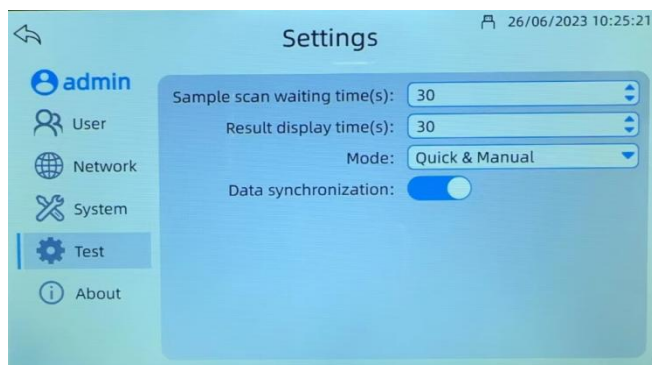


Figure 3.16-1

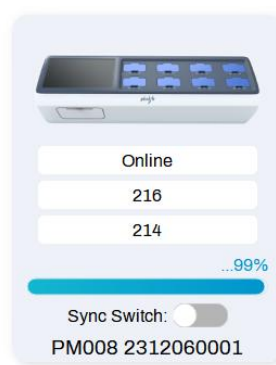


Figure 3.16-2

3.17 Shut down the software

After clicking the " X " icon in the upper right corner, a prompt will pop up indicating whether to exit the software. Click "Yes"(As shown in Figure 3.12-1).

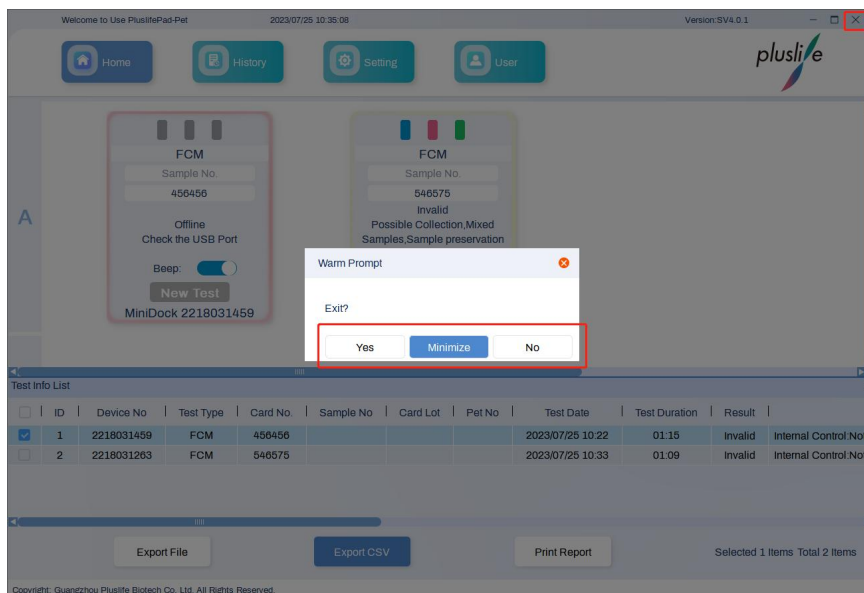


Figure 3.12-1

4 PluslifePad LIS system connection instructions

4.1 Parse automatically generated files and import them to the Lis system

Default file location:

C:\Users\xxx\AppData\Roaming\PluslifePad-Pet\LisCacheData\JsonCacheData

C:\Users\xxx\AppData\Roaming\PluslifePad-Pet\LisCacheData\HL7CacheData

Since most computers do not display hidden files by default, it is necessary to set the hidden folder to be visible to facilitate the user's search for the "AppData" folder, as shown in the following figure(As shown in Figure 4-1).

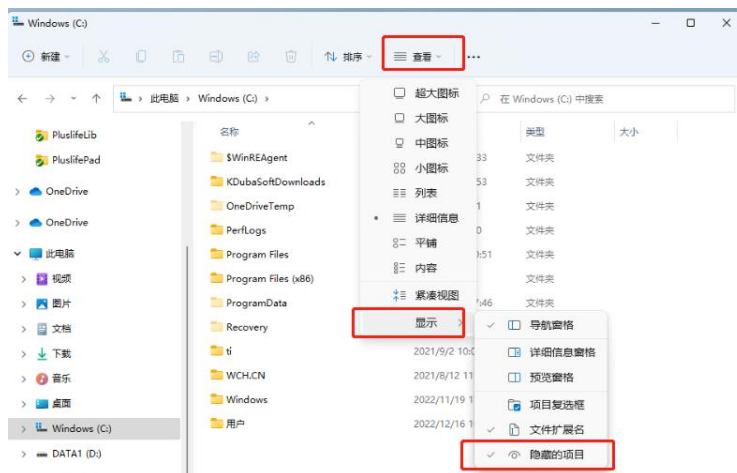


Figure 4-1

The format of the saved file name is: year-month-day_Hour-Minute-Second_CardNumber(When there are illegal characters "/", "", ":", "?", "*", " ", "<", ">", "|" in the file name in the card number, the file name is automatically escaped as " #" when generated)

Example: 2023-03-22_10-50-53_CardNumber.txt

If the chip number is * 001 | 002:, the generated file name is:

2023-03-22_10-50-53_#001#002#.txt

The file content format is json, where ORG is organization information, SAM is sample information, and RES is test result information, as shown in the following table

Table 4.1-1

Testing agency information	
ORG:	
{	
"Address": "Guangzhou",	// Address of agency, e.g. Guangzhou
"Office": "Inspect",	// Testing department, e.g. Inspect
"Email": "pluslife@pluslife.com",	// Email of agency, e.g. pluslife@pluslife.com
"Name": "Pluslife",	// Name of agency, e.g. Pluslife
"Nurse": "Andy",	// Operator, e.g. Andy
"Telephone": "123"	// Contact number of testing agency, e.g. 123
}	

Table 4.1-2

Sample information	
SAM:	
{	
"CardNum": "0001",	// Card number, e.g. 0001
"Name": "baby",	// Pet name, such as baby
"OwnerContact": "",	// Pet owner contact information
"PetAge": "6",	// Pet age, such as 6 years old
"PetGender": "Male",	// Pet gender, such as Male
"PetId": "123456",	// Pet ID, such as 123456
"PetOwner": "Lisa",	// Pet owners, such as Lisa
"PetType": "Cat",	// Pet type, such as Cat
"PetVariety": "Ragdoll",	// Pet breeds, such as Ragdoll
"SampleNum": "0002",	// Sample number, such as 0002
"SwabType": "Nasopharynx"	// Swab Subtyping, e.g. Nasopharynx
}	

Table 4.1-3

Test result information

```
RES:
{
  "CardLot":"230506",           //Card batch number, such as 230506
  "CardNum":"0001",           //Card number,e.g. 0001
  "DetectDate":"2023/3/27 10:00",//Test date, such as 10:00 am on March 27, 2023
  "DetectType":"FCM",         //Test items, such as FCM
  "DeviceM":"PM003",          //Device model, such as PM003
  "DeviceNum":"2239040092",   //Device number, such as 2238040092
  "Operator":"Andy",          //Operator, such as Andy
  "Result":"Negative",        //Overall test results, such as Negative
  "SampleNum":"0002",         //Sample number, such as 0002
  "Targets":[
    {"Name":"IC","Result":"Detected"},
    {"Name":"FHV-1","Result":"Negative"},
    {"Name":"C.felis","Result":"Negative"},
    {"Name":"M.felis","Result":"Negative"}
  ],
                                     //Target results, such as FCM project
  "UseTime":"00:15:36"         //Usage time, such as 00:15:36
}
```

4.2 Parse the manually exported txt file and import it to the Lis system

Refer to 4.1 for details.