

MNChip Veterinary Data Management Platform

Operator's Manual



Please read the Operator's Manual carefully before use For Veterinary Use Only



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MNChip Veterinary Data Management Platform Operator's Manual

The MNChip Data Management Platform is a Windows[®] application that saves Blood Chemistry Analyzer results as files on a Windows[®] PC.

This installation guide describes the essential tasks needed to install and configure the MNChip Data Management Platform. You will have successfully completed the MNChip Data Management Platform when you can transmit data from the MNChip Analyzer and view analyzer results files stored on the local PC.

Notes: Please go to Control Panel—>Programs of your computer's Windows system to uninstall the old version of MNCHIP Veterinary Data Management Platform first before installing the updated version lest the reference ranges of some items cannot display normally.

I . Software Download/Upgrading and Installation

1. Visit the official website of MNChip www.mnchip.com :

choose the English version; or directly visit www.mnchip.com/inde x_e.html	职业机会	中文 <mark> English</mark> 关于我们	
click "Veterinary Diagnostics", choose either "Celercare V" or "Pointcare V";	MNCHIP 微纳芯	Home Medical Diagnostics	Veterinary Diagnostics POINTCARE V



click "Downloads",	
download	Features&Benefits Reagent Discs Specification Operation profiles Downloads FAQs
"Celercare/Pointcare V	
Management Platform	
Software"; for cable	Software download
data communication, if	
necessary, download	
"Data Line Driver".	3
	Pointcare V Management Platform Software Data Line Driver

2. After the completion of downloading:

double click the downloaded file"MNChip Veterinary Data Management Platform";	MNChip Veterinary Data Management Platform	
choose the language "English";	选择安装语言 送择安装时要使用的语言: 简体中文 MRAE	

choose the installation path and click "Next" three times and then click "Install"; Setup - MNChip Veterinary Data Management Platform be installed? Monore times and then click "Install"; Setup of the solution of the solut	Click " Next ";	😂 Setu	ip - VManagementPlatform – 🗆 🗙
choose the installation path and click "Next" three times and then click "Install"; Setup - MNChip Veterinary Data Management Platform - • • • • • • • • • • • • • • • • • •		MNCHIP 微纳芯	Welcome to the VManagementPlatform Setup Wizard This will install VManagementPlatform version 2.0.4.3 on your computer. It is recommended that you close all other applications before continuing. Click Next to continue, or Cancel to exit Setup.
choose the installation path and click "Next" three times and then click "Install"; Select Destination Location Where should MNChip Veterinary Data Management Platform be installed? Setup will install MNChip Veterinary Data Management Platform into the following folder. To continue, click Next. If you would like to select a different folder, click Browse. C:\Program Files (x86)\VManagementPlatform Browse			Next > Cancel
At least 27.2 MB of free disk space is required. MNChip Veterinary Data Management Platform	choose the installation path and click " Next " three times and then click " Install ";	Setup - MNChip V Select Destination Locat Where should MNChip V Setup will instal following folder. To continue, click Next. C:\Program Files (x86)\ At least 27.2 MB of free MNChip Veterinary Data Manage	Veterinary Data Management Platform - - × tion ////////////////////////////////////



Setup Mixemp veterinary bata Management Hattorin
Select Start Menu Folder Where should Setup place the program's shortcuts?
Setup will create the program's shortcuts in the following Start Menu folder.
MNChip Veterinary Data Management Platform Browse Browse
MNChip Veterinary Data Management Platform
🔿 🛛 Setup - MNChip Veterinary Data Management Platform 🚽 🗖 🗾 🔀
Select Additional Tasks
Which additional tasks should be performed?
Which additional tasks should be performed? MNCHIP Select the additional tasks you would like Setup to perform while installing MNChip Veterinary Data Management Platform, then click Next.
Which additional tasks should be performed? MNCHIP Select the additional tasks you would like Setup to perform while installing MNChip Veterinary Data Management Platform, then click Next. Additional shortcuts:
Which additional tasks should be performed? MNCHIP Select the additional tasks you would like Setup to perform while installing MNChip Veterinary Data Management Platform, then click Next. Additional shortcuts: Image: Additional shortcut Image: Additional shortcut
Which additional tasks should be performed? Select the additional tasks you would like Setup to perform while installing MNChip Veterinary Data Management Platform, then click Next. Additional shortcuts: Create a desktop shortcut MNChip Veterinary Data Management Platform < Back Next > Cancel



	😁 Setup - MNChip Veterinary Data Management Platform – 🗆 💌
	Ready to Install Setup is now ready to begin installing MNChip Veterinary Data Management Platform on your computer.
	Click Install to continue with the installation, or click Back if you want to review or change any settings.
	Destination location: C:\Program Files (x86)\VManagementPlatform Start Menu folder: MNChip Veterinary Data Management Platform Additional tasks: Additional shortcuts: Create a desktop shortcut
	MNChip Veterinary Data Management Platform
Wait for a few seconds	Setup - MNChip Veterinary Data Management Platform -
until the completion	Installing
of the installation and click "Finish"	Please wait while Setup installs MNChip Veterinary Data Management Platform on your computer.
	Extracting files C:\Program Files (x86)\VManagementPlatform\VManagementPlatform.exe
	MNChip Veterinary Data Management Platform





II . Software Settings

1. Login

Start the application to enter the "Login" interface:

🚭 Login						
Device Number PV3456789012 93321						
Login Password						
Login	Cancel	Login COM				

- a) If the analyzer is connected to the PC via the cable, please click the button "Login COM" directly.
- Note: Make sure that the analyzer is power off before connecting the cable, and start the analyzer when the cable is connected, otherwise the data management platform may not be able to receive the data.
- b) The analyzer can transmit data to the cloud server via WIFI, and the data can be downloaded from the server to the local PC via MNChip Data Management Platform Software. To this end, ensure that all the data have been uploaded and the local PCs have been connected with the Internet.

For initial use, tap	Celercare V	Pointcare V
the " Setting " or on the touchscreen of the Analyzer;	Celercare*	QC Q ? Analyze Pointcare 2015-11-26 09:33
	Celercare® Analyzer Date/Time Report Network Touchscreen Sound Language Sample Type Home	Analyzer Date/Time Report Network
And tap "Analyzer" to find the "Serial Number" and "Password";	Celercare V Serial Number: CM1411001202 02570 Software version: 2.0.3 Hardware version 1: 0121 Hardware version 2: 0119 Update Update Hardware version 2: 0119 Update Home	Serial Number: PV3456789012 93321 CDCD2E7 Software: 3.1.3 Update Firmware 1: 0101 Update Firmware 2: 0221 Update
enter the "Serial Number" and "Login Password" into the above login page, and click the button "Login" Note: i. Make sur	 Login Device Number PV3456789012 93321 Login Password Login Cancel Logi Te that the local PC have been connected 	with the Internet .

ii. Make sure that the Analyzer has been connected with the Internet via WIFI, otherwise the "Login" page will not display.

iii. Except for the initial use, serial number and password input is not necessary.

c) If not to continue, click "**Cancel**" to close the dialog box.



2. Main menu

	Aospital	ImageImageImageCOMSyncLanguageExit
a)	Click " Hospital " to set the hospital name in the report.	Hospital Name ? × Hospital Name TianJin MNCHIP OK
b)	Click " COM " to choose the corresponding serial communication interface, the wrong interface will cause the failure of the data transmission.	
c)	Click " Sync " to query the data from analyzer within the selected time. By default, the data management platform displays the intraday data.	Sync ? × From To 2016/6/22 2016/6/22 2 OK Cancel Note: In general, once start the Software, the latest data will automatically be uploaded; if data transmission failure occurs, enter the data query page to find the data and upload it; and then synchronize the data once again.
d)	Click "Language" to choose "English" or "中 文".	See Language ? × Language: English English ØK

e) Click " Exit " to exit the application.	Exit ? × Ensure exit the program?
f) Click "Dictionary", and check the next part "3. Dictionary Settings" to learn more.	DictionaryHelpR RangesS SpeciesS SpeciesS Sample TypeS Submit DoctorO OperatorR ReviewerD DiagnosisR Remark
g) Click " Help " to find the version information of the software as well as our company's information.	 About MNCHIP ? × MNChip Veterinary Data Management Platform Version 2.0.4.4 Tianjin Mnchip Technologies Co., Ltd Company Address: No.2 Building, Tianjin Teda Industrial Park No.19 Xinhuan Road West, TEDA, Tianjin, 300457, P.R. China Tel: +86-400-806-1151

3. Dictionary Settings





In order to edit the report easily, all items in the "Dictionary" can be preset as required.

a)	Ranges	Modification	Modify reference ranges as required. Choose items which modified, double-click the table, set the values, and click finish reference ranges modification. Species SI C Common I Species SI C Common							
			2	Horse		Item	Ranges Lower Limi	t Ranges Upper Limi	't Unit	
			3	Cow	1	ALB	20.00	49	g/L	
			3 000	2	ALP	0	1860	U/L		
			4	0.	3	ALT	0	70	U/L	
		Addition	Ado Upj "Sa	d referenc per/Lowe ve" to fini	e ra r Li ish	anges as re mit " and ' the setting	equired. Click ' Ranges Uppe g.	"Add", select "S r/Lower Limit",	ex ", edit " Age and click	
				Sex	Ag	e Lower Limit	Age Upper Limit	Ranges Lower Limit	Ranges Upper Limit	
			* Ma Fe	le ▼ de male	0.00		0.00			

b) Species	"Add" or "Remove" "Species" as rec	quired, and click " Save " to finish the s	etting.		
	S	Species ?			
	Species	Memonic			
	1 Sheep	Sheep			
	2 Horse	Horse			
	3 Cow	Cow			
	4 Ox	Ox			
	5 Rabbit	Rabbit			
	6 Pig	Pig			
	7 Mouse	Mouse			
	8 Dog	Dog			
	9 Cat	Cat			
	10 Elephant	Ele	-		
	Add Remove	Save Cancel Exit	1		
c) Sample Type	"Add" or "Remove" "Sample Type" The three initial types are "Serum".	as required, and click " Save " to finish " Plasma " and " Whole Blood ".	the setting.		



		-	Sam	ple Type		? ×	
		S	ample Type		Memonic		
		1 Serum		S			
		2 Plasma		Р			
		3 WholeBloo	d	w			
d)	Submit doctor,	"Add" the doctor setting the name	Remove rs' name as required s of the doctors, it	Save d, and click " S a will be very co	Cancel	Exit the setting. After the setting the	fter report.
	Operato		Submit Doctor	? × 😁	O	perator	? ×
	r, and	Doctor Name	Memonic		Doctor Name	Memonic	
	Review er	Add Remove	Save Cancel	Exit	d Remove	Save Cancel	Exit



				Revi	iewer		? ×							
			Doctor Name			Memonic								
		Ać	id Remove	S:	ave	Cancel	Exit							
)	Diagnos is, Remark	"Add" be ver	some clini y convenie	ical di ent wh _{Diagn}	agnos nen ec	ses as red diting the	quired, e repor ? ×	and cli t.	ck " Save "	to fin	ish t	he se [.]	tting	;, it w ?
)	Diagnos is, Remark	"Add" be ver	' some clini y convenie Diagnosis	ical di ent wh Diagr	agnos nen ec	Ses as red diting the Memonic	quired, e repor ? X	and cli t.	ck "Save" Remark	Rem	ish t	he se	tting 	, it w

4. Print Settings

Search	The data management platform supports some keywords query on the local database, such as Analysis Date , Owner Name , Pet Name , Pet Species and ID .



	Search
	Analysis Date 2016-07-20 💌 To 2016-07-20 💌
	Owner Name Pet Name
	Pet Species ID
	Search
	Click " Display All " to display all of the reports in the database if needed.
	Save Display All Print (F2) Preview (V) 🗌 Print Whole 🥅 Clinical significance
Paper	Three printing formats can be chosen, which are A5 vertical, A5 longitudinal and A4.
Select	-Paper Select

III. Report Editing and Printing

1. Selecting the Report to be edited or printed as the following screen shot shows:

L				
8	Female		1	2016-04-14 09:30
9	Male		2	2016-04-12 09:33
10	Female		1	2016-04-12 09:13
11	Female		MNC1	2016-04-08 14:27
12	Female	3	3	2016-04-08 14:00
13	Female	2	2	2016-04-08 13:44
14	Female	1	1	2016-04-08 13:31

Notes: (1) If it is necessary to synchronize the previous test reports, click "Sync", set the date and click "OK";

② If it is required to edit or print the test reports which have been synchronized onto the database, please refer to "Print Setting", find the test report needed to be edited and printed.

2. Report Editing

a) Edit the Inspection Information

Select one test result and edit "ID", "Pet Name", "Owner Name", "Pet Gender" and

"Pet Age" in the corresponding text box. Other information, such as "Pet Species", "Department", "Sample Type", "Submit Doctor", "Reviewer" and "Operator" can be edited in the text box directly or chosen from the items in the pop-up dialog by double clicking the text box. Click "Save" when the editing is completed.

-Inspection Info	
Analysis Date	2016/07/20 🔹
Pet Species	
ID	
Pet Name	
Owner Name	
Pet Gender	
Pet Age	
Sample Type	
Submit Doctor	
Submit Time	2016/07/20 10:36
Operator	
Reviewer	
Diagnosis	
Remark	

b) Modifying the Test Results

The abnormal states ("lipemia", "icterus" and "hemolysis") of the sample and some other factors may affect the test results, the results can be modified by double clicking the text box. Click "**Save**" when the editing is completed.

		Item	Result	Ranges	Unit
1	◄	ТР	62.1	60 83	g/L
2	◄	ALB	41.2	35 55	g/L
3	☑	GLO	20.9	20 40	g/L
4	☑	A/G	2	1.2 2.4	
5	•	TBIL	34.7	0 17.1	umol/L
6	•	ALT	41	0 35	U/L
7	•	UREA	7.78	2.9 8.2	mmol/L
8	•	CRE	122	25 60	umol/L
9	☑	GLU	5.89	3.89 6.11	mmol/L
10	•	UA	332	89 357	umol/L
11	•	TG	1.21	0.38 1.7	mmol/L
12	•	CHOL	3.33	2.4 5.2	mmol/L
13	•	HDL-C	1.42	1.16 1.55	mmol/L
14	•	LDL-C	1.4	0 3.12	mmol/L

c) Indicative Meaning of the Background Colors of Test Items

If the test result is in the ranges, its background color is **Yellow**; If the test result is higher than the maximum of ranges, its background color is **Red**; If the test result is lower than the minimum of the ranges, its background color is **Blue**.

	Item		Item Result		Ranges	Unit	
1		ТР	60.2	60 83	g/L		
2		ALB	41.7	35 55	g/L		
3	☑	GLO	18.5	20 40	g/L		
4	☑	A/G	2.3	1.2 2.4			
5		TBIL	31.1	0 17.1	umol/L		

3. Report printing

Choose	the	test						
report	and	click	Save	Display All	Print(F2)	Preview(V)	🗌 Print Whole	🗖 Clinical significance
"Preview	/ " to	check						

the report. And the preview page will be shown as the following screen shot shows; after confirmation, click "**Print**". Notes: When you choose to print the test report with clinical significance, the paper select will be A4 by default.

-		l ia Biochem	nJin MNCHIP ical Inspection Report		
5;	Name:	Sex: Female	Age:	Years	Sample Type: 全血
,	ID: 1	Department: 内科	Patient Type: (]诊	Bed:
	Clinical Diagnosis:				
	Item Name	Result	Indicator	Ranges	Unit
	TP	60.2		60 - 83	g/L
	ALB	41.7		35 - 55	g/L
	GLO	18.5	Ļ	20 - 40	g/L
	A/G	2.3		1.2 - 2.4	
	TBIL	31.1	Ť	0 17.1	umol/L
	ALT	30		0 - 35	U/L
	UREA	6.91		2.9 8.2	mmol/L
	CRE	50		25 - 60	umol/L
	GLU	6.01		3.89 6.11	mmol/L
	UA	408	↑	89 - 357	umol/L
	TG	1.12		0.38 1.7	mmol/L
	CHOL	3.52		2.4 5.2	mmol/L
	HDL-C	1.45		1.16 1.55	mmol/L
	LDL-C	1.6		0 3.12	mmol/L

Notes: You can export the test	A Print	Export	<mark>≯</mark> Pdf₿	∭⊒ EmailB	Reference to the second	134% -	_ Zoom Out	Ţ
formats as required.		PDF	file			- F		-
such as PDF, OLE/		Exce	el table (OLE)				
XML table, RTF,		Exce	el table (XML)				
HTML as well as		RTF	file					
BMP/JPEG/TIFF/GIF		HTN	/L file				Name:	
image, and email it		BM	P image.					
to others.		JPE	G image.				ID:	1
		TIFF	image.					
		Gifi	mage				Clinical	I
		E-m	ail			ŀ	Item N	Ia
		Exce	el 97/200	00/XP file		ł	TT	
		dBa	se (DBF)	export			11	
		Text	file				AL	В
		CSV	file				GL	0
		Ope	en Docur	ment Spre	adsheet		A/0	G
		Оре	en Docur	ment Text.			TB	I
							AL	Т
							URI	32
							CR	E

IV. Failure Recovery

If the test reports of chemistry analyzer cannot be synchronized onto the Data Management Platform, please troubleshoot the software according to the following steps:

1. The software needs to be upgraded

Start the chemistry analyzer, tap "Settings"-"Network" and connect with the WIFI successfully; and back to "Settings", tap "Analyzer"-"Software version"-"Update" to upgrade the software to the latest version.

Notes: It is normal that the analyzer will restart once the completion of the software upgradation.

2. Make sure that the data line is properly linked with the connection interface and restart the analyzer and the software via cable communication; make sure that the local PC has been connected with the Internet and the date has been uploaded when via wireless communication.

\boldsymbol{V} . About MNChip

1. Please visit the official website of Tianjin MNChip <u>www.mnchip.com</u> to learn more about our company.

 Do not hesitate to contact us via the toll-free customer-service Tel Number: 400-806-1151 for 7/24 service if you encounter problems when using our Chemistry Analyzer.