



ADAM

rWBC

PC Software user manual



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Section 1. Start

Software installation

introduction

This PC Software is intended to help data management for ADAM-rWBC users.

ADAM-rWBC is an analyzing device that counts the number of residual leukocytes in a blood component for transfusion.

This PC Software can be installed in personal computer.

Software features

- Input barcode ID by keyboard or barcode scanner.
- Input product volume.
- Shows the measurement process.
- The results of the ADAM-rWBC is sent to the PC software automatically when the testing is completed.
- Display total residual WBC and save the data.
- User and data management
 - › Two user levels (Master or General user)
 - › Master user can access all users, data and history.
 - › General user can access his/her own data only.

Section 1. Start

Software installation ADAM-rWBC PC Software installation

Recommended hardware requirements

Operating system	Windows 2000 / XP / Vista / 7 / 8
CPU	Pentium III processor 1.0Ghz or faster
RAM	512MB or more
Hard disk	20GB or more

1. Insert the installation CD into the computer.

When the installation program starts, the start-up dialogue of the software, as shown below, will appear. Click “Next” to start installation.



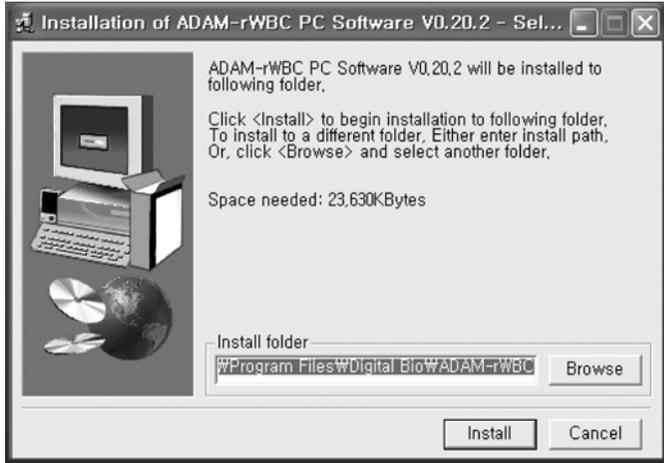
You can also download PC software from our website.

- Visit ADAM-rWBC website at www.nanoentek.com to download updated software which is supplied as a .zip file to your desktop.
- Unzip the .zip file and save the software to USB drive.
- Insert the USB drive into the PC.

Section 1. Start

Software installation ADAM-rWBC PC Software installation

2. Default installation path is
C:\Program Files\Digital Bio\ADAM-rWBC.



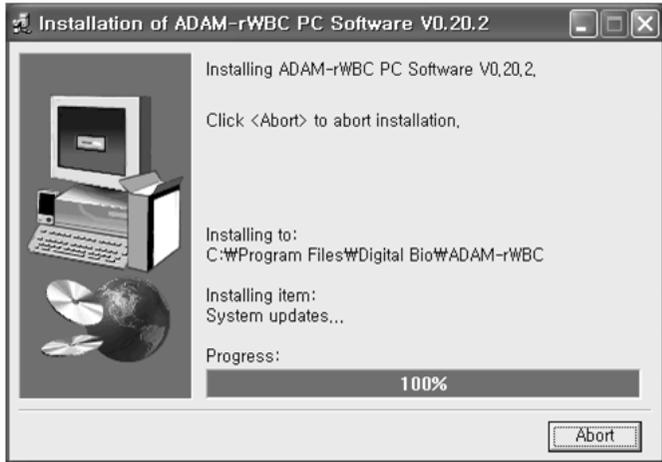
3. If you want to change the installation folder, click and choose the location that you want.



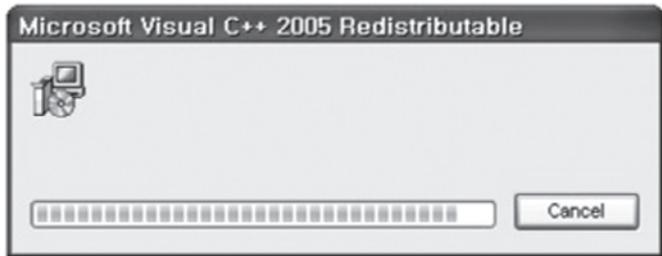
Section 1. Start

Software installation ADAM-rWBC PC Software installation

4. Click button to continue installation.



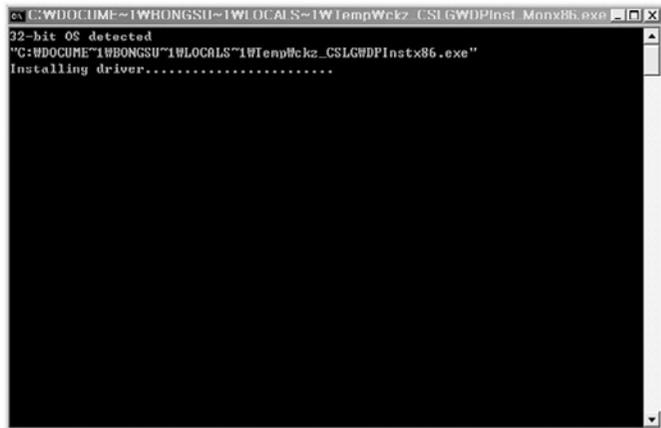
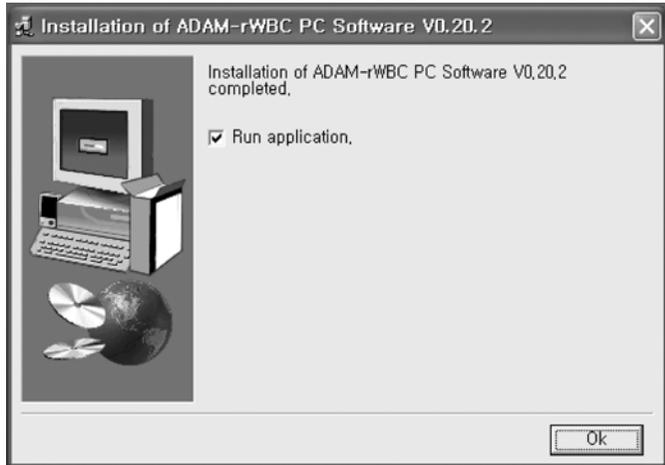
Installation is in progress.



Section 1. Start

Software installation ADAM-rWBC PC Software installation

- When the installation is completed, click "OK" to proceed driver installation (bottom command window).



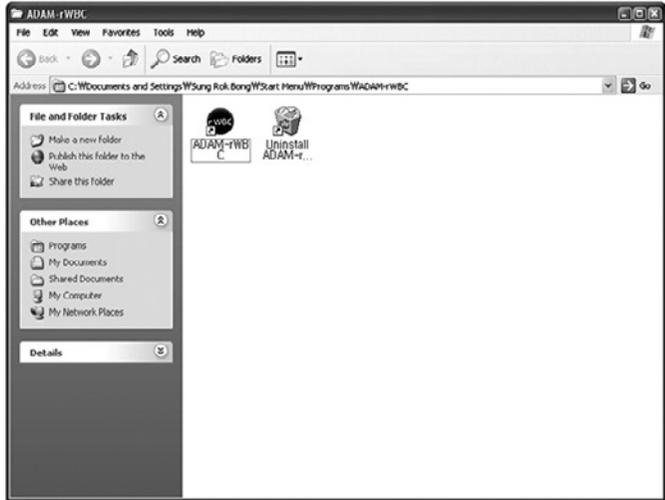
Section 1. Start

Software installation

ADAM-rWBC
PC Software
installation

6. When the driver installation is completed, the ADAM-rWBC folder will show up.

The software begins by double-clicking ADAM-rWBC icon.



CAUTION

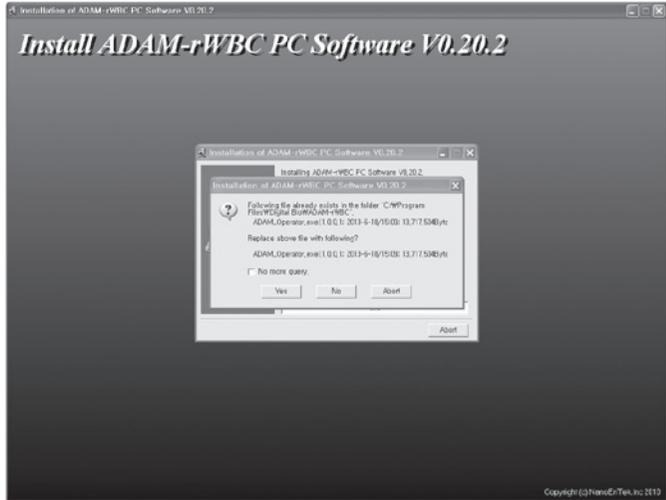
Windows Vista /7 /8, run as administrator on the right mouse button click On the 'ADAM-rWBC' icon.

If you install PC Software on normal user account, the other account users cannot use the software.

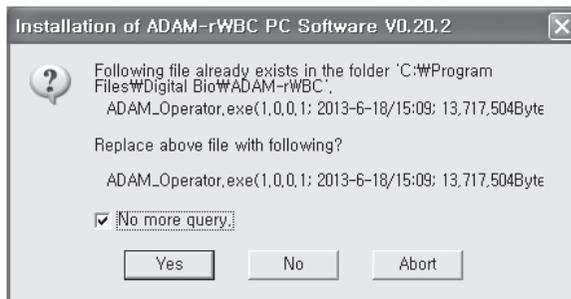
Section 1. Start

Software installation ADAM-rWBC PC Software installation

7. If the software is to be updated or re-installed, the following message may appear.



8. If you want to proceed the re-installation, check “No more query,” and continue installation by clicking “Yes” button.

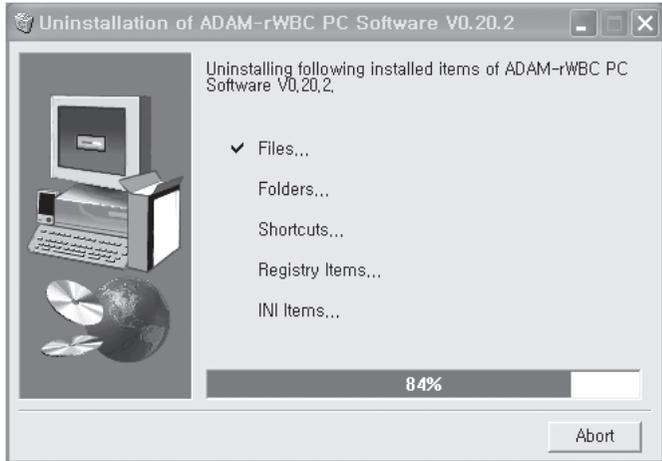


Section 1. Start

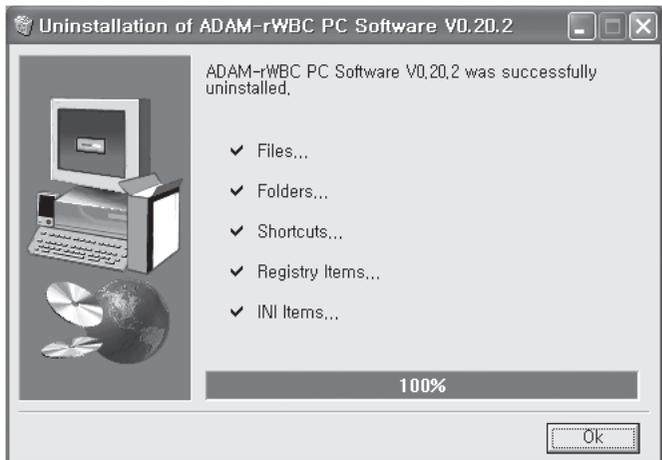
Software uninstallation

For window xp
/window vista
/window 7 users

1. From the Start menu, select "Program" -> "ADAM-rWBC".
2. Select "Uninstall ADAM-rWBC": The uninstall dialog of the software, as shown below, will appear. Click "Yes" to start uninstall the software.



3. When the uninstallation is completed, click "OK".

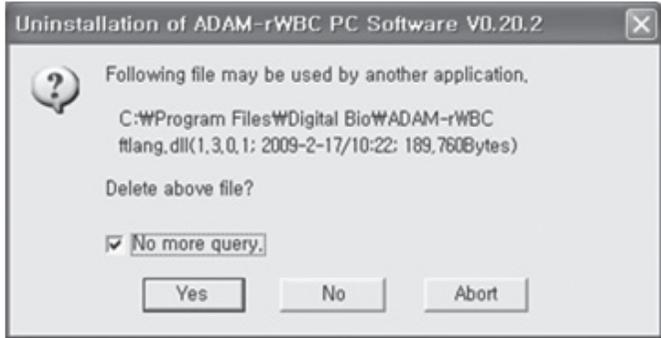


Section 1. Start

Software uninstallation

For window xp
/window vista
/window 7 users

4. If you see the below message, check “No more query” and click “Yes”.



Section 1. Start

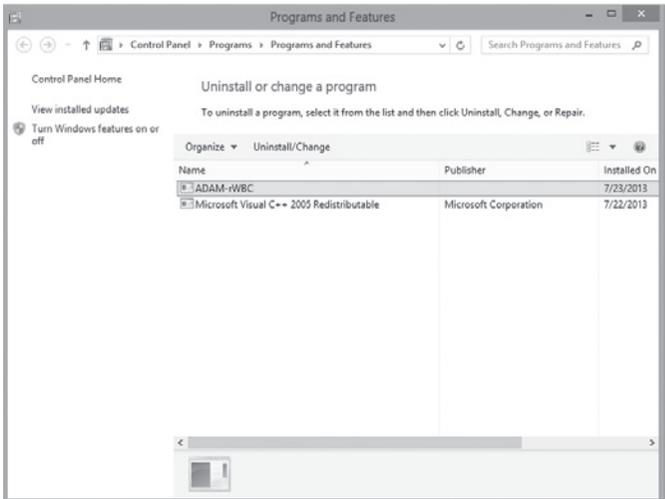
Software uninstallation

For window 8
users

1. Find the ADAM-rWBC icon on the Start screen. Right-click the ADAM-rWBC icon. Then you can see the Uninstall menu.



2. Double click the "ADAM-rWBC" on the list.

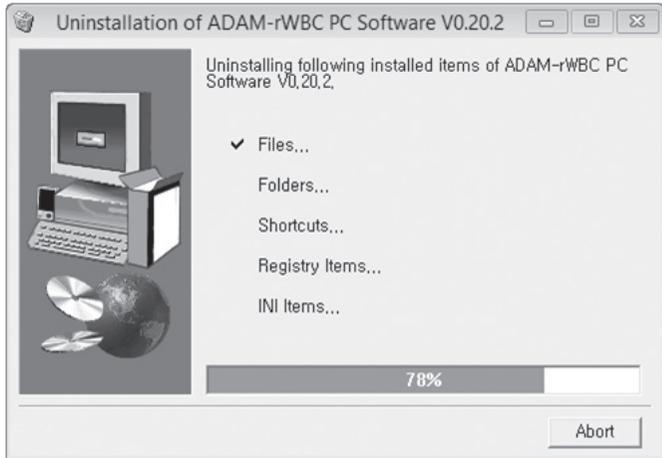


Section 1. Start

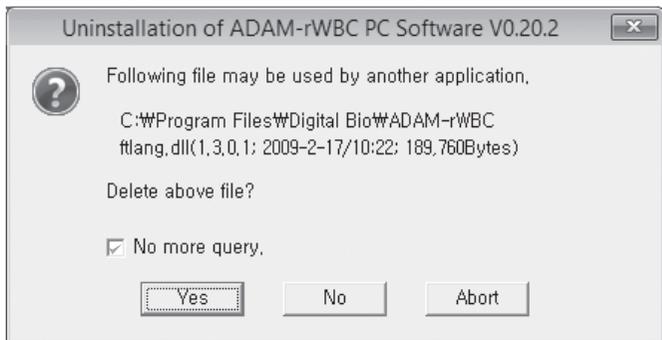
Software uninstallation

For window 8
users

3. Automatically, the uninstallation starts.



4. If you see the below message, check “No more query” and click “Yes.”



Section 1. Start

Connecting To ADAM-rWBC

1. Connect the USB cable between the computer and the ADAM-rWBC.
2. Connect the barcode scanner to PC.
 - Do not connect barcode scanner to ADAM-rWBC.
3. Turn on ADAM-rWBC and computer.
 - The login button in the PC software will be activated when connection is successful.

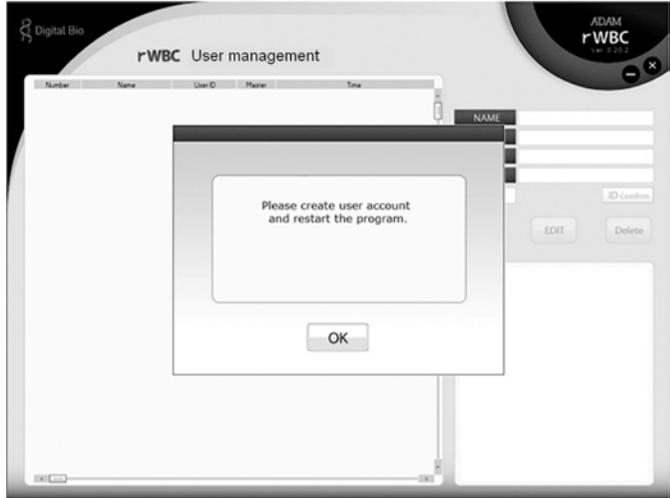


Section 2. Using the software

Starting the software

Master user registration

The master user should be registered in the first use.
Click 'OK' button to register master user.
Check the 'Master' box.



CAUTION

At the first time starting software, please create master user ID/PW first.

Section 2. Using the software

Starting the software

Master user registration

Button	Description
	Enter the user name.
	Enter the user ID.
	Enter the password. Password must be at least six characters.
	Confirm the password.
	Check for the Master user mode.
	Search for the duplicate ID user.
	Add additional user.
	Edit the registered user information.
	Delete the registered user.

Section 2. Using the software

Login



Button	Description
	Enter user ID. Case-sensitive
	Enter the password. Case-sensitive
	Log in This button will be activated when ADAM-rWBC is connected to PC.
	Exit program
	Minimize

Section 2. Using the software

Master user mode

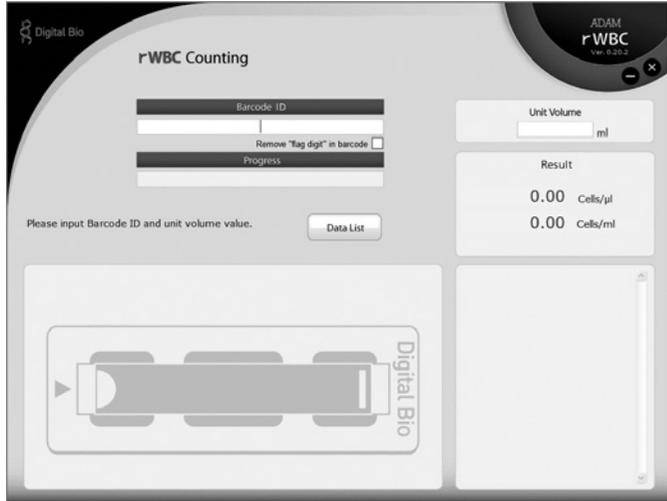


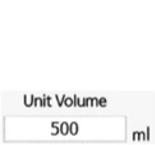
• Only master user can see this screen.

Button	Description
	Show the present time in PC and ADAM-rWBC.
	Synchronize clock between ADAM-rWBC and PC.
	Move to the "Counting" screen. 
	Move to the 'User management' screen for adding, deleting and editing users. 
	Move to the history log screen. You can see the chronological records of all Users and data. 
	Move to previous screen in master mode. Move to login screen in general user mode.

Section 2. Using the software

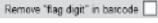
Master user mode Counting



Button/Display	Description
	<p>Enter the barcode ID by keyboard or barcode scanner.</p>
	<p>Enter the volume of the measured product. The range of the volume is 1 to 1,000 ml.</p> <p>⚠ Caution: <i>If the volume is out of range, the warning window will be displayed.</i></p> 
	<p>Shows the counting progress in ADAM-rWBC.</p> 

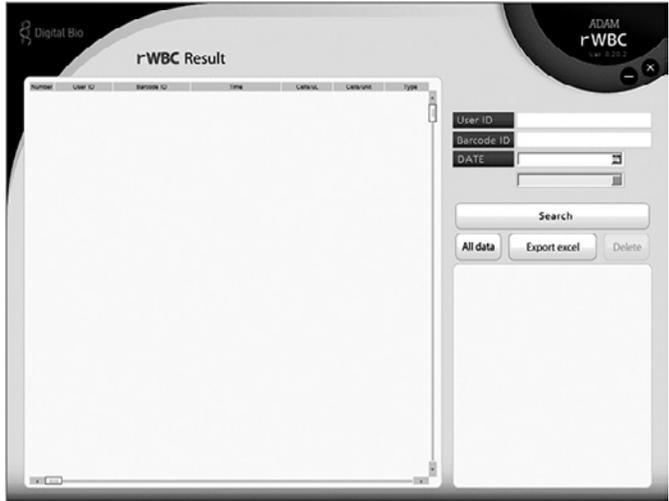
Section 2. Using the software

Master user mode Counting

Button/Display	Description
	<p>The measured result is displayed by μl and volume unit that you specified.</p> <p>Ex. Blood pack capacity is 500 ml.</p>
	<p>Bad sample message will be shown and recorded when ADAM-rWBC detects more than 10 error frames. The error frame occurs when the number of cells is more than 50 in one frame. Please check your sample quality and try again.</p>
	<p>ADAM-rWBC scans 203 frames on the r-Slide, and each frame result is displayed.</p> <p>Caution: Please remove the r-Slide from ADAM-rWBC when the test is completed. If you don't have additional samples to test, Please press the "Lock" button of the instrument.</p>
	<p>Move to the rWBC result screen. (See page 22 Data management)</p>
	<p>Check : To hide flag digit (00) in barcode, please check this box Uncheck :The flag digit (00) will be shown in the barcode Hiding flag digit is available in barcode 128 system only.</p>

Section 2. Using the software

Master user mode Data management



Button



Description

Case-insensitive. If you log in as the general user, this button is not activated.



ex)

Number	User ID	Time	Trace 1	Trace 2
1	Test1	2010-06-09 16-12-27	User management	User add
2	Test1	2010-06-09 16-13-13	User management	User add
3	Test1	2010-06-09 16-46-52	System contact	Login
4	Test1	2010-06-09 16-48-09	Equipment	Data add
5	Test1	2010-06-09 16-54-38	Equipment	Data add
6	Test1	2010-06-09 17-04-53	System contact	Login
7	Test2	2010-06-09 16-12-52	User management	User add



Search by date.

Click the  button to bring up calendar.



Show all data.

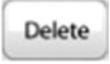
ex)

Number	User ID	Time	Trace 1	Trace 2
1	master	2011-03-02 17-25-18	User add	master2
2	master	2011-03-02 17-25-26	User delete	master2
3	master	2011-03-02 17-40-06	User add	master2
4	master	2011-03-02 17-28-35	Login	Login
5	master	2011-03-02 17-40-50	Data add	0.00 Cells/uL
6	master	2011-03-02 17-40-16	Data add	0.00 Cells/uL
7	master	2011-03-02 17-42-09	Data add	0.00 Cells/uL
8	master	2011-03-02 17-54-40	Data delete	By selection Cells/uL
9	master	2011-03-02 17-54-50	Data delete	By selection Cells/uL
10	master	2011-03-02 17-50-35	Data search	By ID
11	master	2011-03-02 17-56-32	Data search	By selection Cells/uL
12	master	2011-03-02 18-02-54	Data delete	
13	master	2011-03-02 18-27-44	User add	Johnny
14	master	2011-03-02 18-28-38	User add	master23
15	master	2011-03-02 18-30-14	User delete	Johnny
16	master	2011-03-02 18-30-14	User delete	Johnny
17	master	2011-03-02 18-30-51	User add	Johnny
18	master	2011-03-02 18-30-47	User delete	Johnny
19	master	2011-03-02 18-30-10	User add	Johnny

Section 2. Using the software

Master user mode

Data management

Button	Description
	Click the 'Search' button after entering any field above (User ID, Barcode ID, DATE).
	Click the 'Export Excel' button to export searched data list to Excel. Choose a folder to save the Excel file.
	Delete the searched data.

Section 2. Using the software

Master user mode

User management



Section 2. Using the software

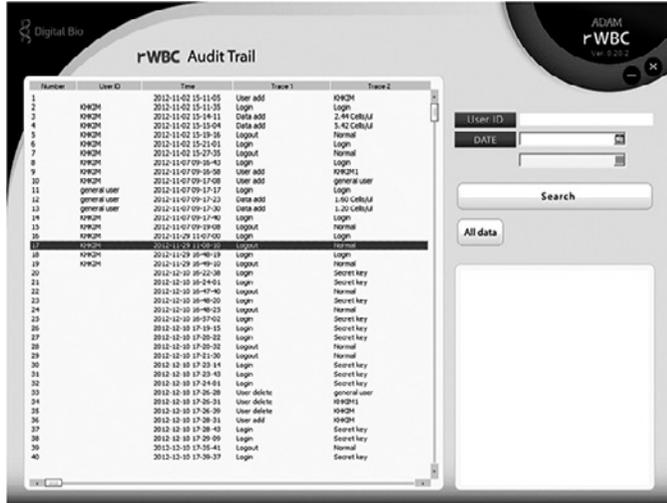
Master user mode

User management

Button	Description
	Enter the user name.
	Enter the user ID.
	Enter the password. Password must be at least six characters.
	Confirm the password.
	Check to create additional Master's ID/PW
	Search for the duplicate ID user.
	Add additional user.
	Edit the registered user information.
	Delete the registered user.

Section 2. Using the software

Master user mode Audit trail



Button	Description
	Search by user ID. Case-insensitive
	Search by date. Click the  button to bring up calendar.
	Click the 'Search' button after entering any field above (User ID, Barcode ID, DATE).
	Show all records.

ex)

Number	User ID	Time	Trace 1	Trace 2
1		2012-11-02 15:11:05	User add	K9H2M
2	K9H2M	2012-11-02 15:11:35	Login	Login
3	K9H2M	2012-11-02 15:14:11	Data add	2-44 Cells/J

Section 2. Using the software

Master user mode

Audit trail

Description of event	
User add	New user added in user management screen
User edit	Modify user information.
User delete	Delete user information.
Login	Login
Logout	Logout
Data add	New data added in calculate screen. The result is displayed in "Trace 2".
Data delete	Delete selected data. The data deleted in data management screen. The user who deleted the data is displayed in "Trace 2".
Data search	Search event in data management screen. Search option is displayed in "Trace 2" (User ID, Barcode ID, Date).

Section 2. Using the software

General user mode



Button	Description
	Enter user ID. Case-sensitive
	Enter the password. Case-sensitive
	Log in This button will be activated when ADAM-rWBC is connected to PC.
	Log out
	Minimize

Section 2. Using the software

General user mode Counting



· See page 20 Counting.

General user mode Data management



· See page 22 Data management.

Section 2. Using the software

Turn off the software



When logout, this alert message is shown.

Before turning off the software, please remove the r-Slide from the ADAM-rWBC: and press the 'lock' button of the ADAM-rWBC.

Technical support

Visit the our Website at www.nanoentek.com for :



- Technical resources, including manuals, FAQs, etc.
- Technical support contact information
- Additional product information and special offers.

For more information or technical assistance, please call or email.

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ADAM-rWBC PC Software user manual

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The information in this manual is described as accurately as possible.
Firmware and software changes and updates may change without prior consent or notification.

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ADAM-rWBC

NESMU-ARCSP-002E (V.1.6)

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