

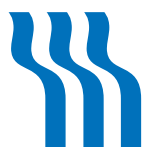
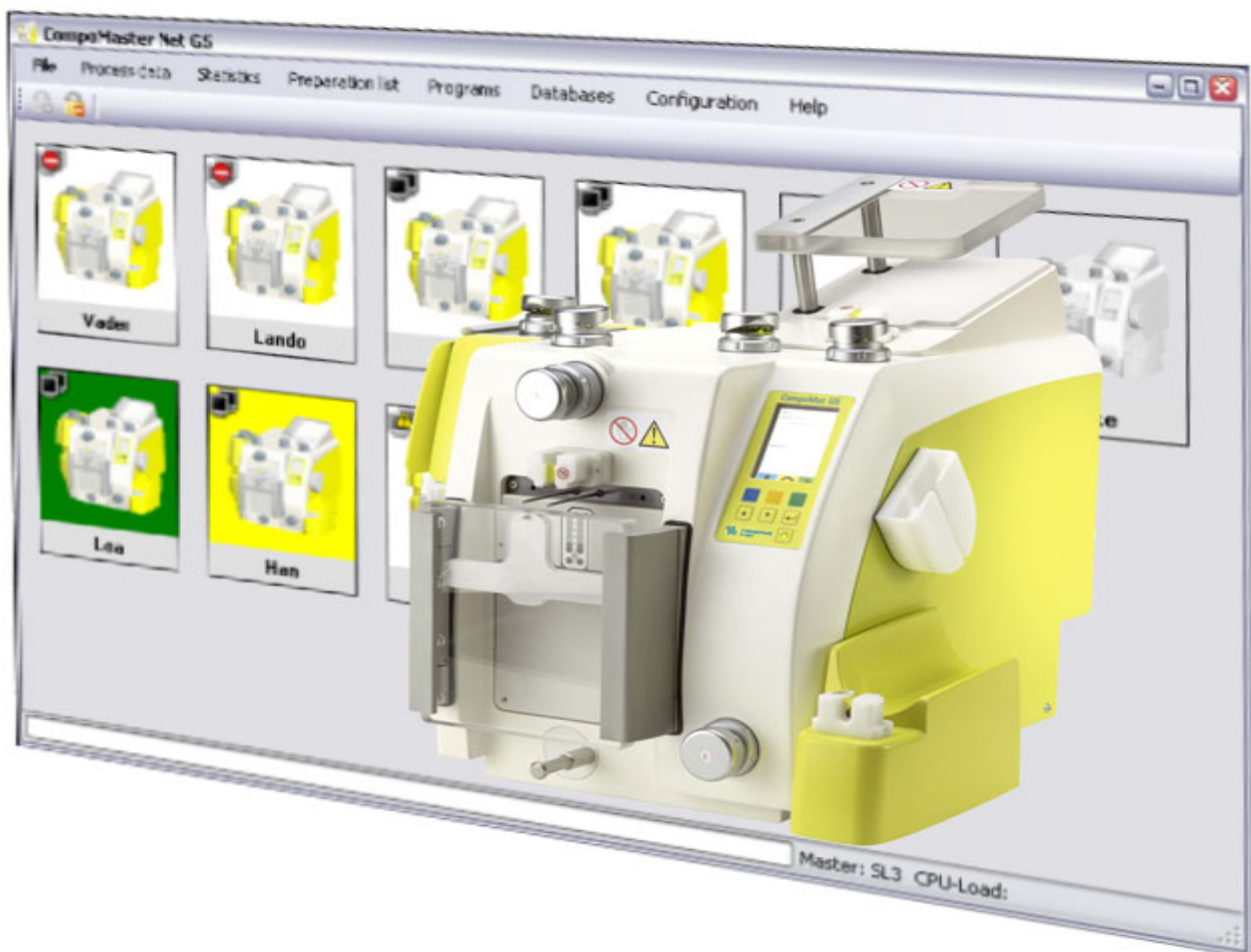
CompoMaster Net G5

User Manual

Software version: 3.00.xx

Edition: 5/07.11

Part no.: M67 602 1



**FRESENIUS
KABI**

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1 Important information

1.1 Instructions on the User Manual

Purpose	<p>The User Manual includes information necessary for installing and operating the CompoMaster Net G5 program.</p> <p>This manual is intended for:</p> <ul style="list-style-type: none"> – first studies – reference purposes
Identification	<p>The document can be identified from the following information on the title page and on the labels, if any:</p> <ul style="list-style-type: none"> – Software version – Edition of the user manual – Part no. of the user manual
Page identification	<p>The page identification 1-3, for example, refers to chapter 1, page 3.</p>
Footer	<p>The footer contains the following information:</p> <ul style="list-style-type: none"> – Company name, e.g. Fresenius Kabi – System type – The English abbreviation for the document type and the international abbreviation for the document language, UM-EN, for example, refers to user manual in English. – Editorial information, e.g. 5/07.11 refers to the 4th edition of February 2011
Illustrations	<p>The illustrations used in the documents (e.g. screens, photos, etc.) may differ from the original if this does not have any influence on the function.</p>
Importance of the manual	<p>This User Manual is part of the accompanying documents and thus an integral part of the software. It includes information necessary for the use of the software.</p> <p>The User Manual must be carefully studied before attempting to operate the software.</p> <p>The responsible organization is only allowed to use the software once the manufacturer has instructed the person responsible for operation on the usage of the software based on the User Manual.</p> <p>The software may only be operated by individuals certified to have been instructed on the proper operation and handling of the device.</p>
Editorial information	<p>The current version of this User Manual 5/07.11 is valid for CompoMaster Net G5 software version 3.00.xx and higher.</p>
Changes	<p>Changes to the User Manual will be released as new editions or supplementary sheets. In general, this manual is subject to change without notice.</p>

1.1.1 Warning, significance



Warning

Advises the user that incorrect operation can result in personal injury.

1.1.2 Note, significance



Note

Advises the user that failure to observe this information can:

- cause damage to the equipment
 - result in a specific function not being executed at all or not being executed correctly
-

1.1.3 Tip, significance



Tip

Information providing useful tips for easy handling.

1.2 Target group

The software may only be installed, operated and used by persons with the appropriate training, knowledge and experience required.

Extensions or modifications may only be carried out by the manufacturer or persons authorized by him.

1.3 Duties of the responsible organization

The responsible organization assumes the following responsibilities:

- compliance with the national or local installation, operation and use regulations.
- correct and safe condition of the software and equipment.
- that User Manual is accessible at all times.

1.4 Duties of the user

The following must be observed when entering parameters:

The parameters entered must be verified by the user, i.e. the user must check that the values entered are correct. Should the desired value deviate from the parameters in the software or displayed on the device, the setting must be corrected before activating the function.

The actual values displayed must be compared with the desired values specified.

1.5 Disclaimer of liability

The software was developed for the functions listed in the User Manual.

On installing, operating and using the software the appropriate legal regulations must be adhered to (e.g. in Germany the Medizinproduktegesetz MPG (MDD: medical device directive) and the Medizinprodukte-Betreiberverordnung MPBetreibV (German regulation for the operation of medical devices)).

The manufacturer does not assume any responsibility or liability for personal injury or other damage and excludes any warranty for damage to the software or the device resulting from the incorrect operation of the software.

1.6 Guarantee / warranty

Guarantee

For guarantee refer to the respective sales contracts.

Warranty

The purchaser's warranty rights are governed by the applicable legal regulations.

Any use of the system which is not in accordance with its intended use will void any liability and warranty.

1.7 Manufacturer's address

Please address any inquiries to:

Germany

Fresenius Kabi AG
D-61346 Bad Homburg
Phone: +49 (0) 6172 / 608-0

Local service:



1.8 Intended use and features CompoMaster Net G5

Program description

The CompoMaster Net G5 is an input / output support program for the CompoMat G5.

The CompoMaster Net G5 is a Windows-based application that supports connections to one or more CompoMat G5 devices.

Up to 100 CompoMat G5 devices can be operated from a single PC.

Such CompoMat G5 devices can connect to the CompoMaster Net G5 PC via LAN or WLAN.

The CompoMaster Net G5 software program supports GMP-compliant documentation of the manufacturing of blood products by using CompoMat G5 devices.



Warning

Fresenius Kabi does not assume any responsibility for any further use of the CompoMaster Net G5 data. The data collected by the CompoMaster Net G5 must not be used for diagnostic or therapeutic purposes.

The CompoMaster Net G5 software is not a medical product as defined by the law covering medical products and/or EU Directives 93/42/EEC and 2007/47/EC.

Graphical user interface

The CompoMaster Net G5 has a graphical user interface (GUI) that makes it easy for the user to inspect the status of connected devices and react to alarm conditions, etc., as necessary.

All required functions are accessible via the menu bar.

Information about the connected devices is clearly displayed in the center of the screen.

Additional general information is displayed in a status bar at the bottom of the screen.

Tasks of the CompoMaster Net G5 software

- Data exchange of CompoMat G5 devices with a monitoring PC
- Creation of programs
- Management of program history
- Program printout
- Export and import of programs
- Process data storage
- Process data visualization
- Printing of process data
- Export of process data in .csv format
- Generation of result data records
- Bidirectional interface to a center database

1.9 CompoMaster Net G5 PC system requirements

Processor type	1.5 GHz or faster 32-bit x86 processor
RAM	1.5 GB or more
Hard disk	20 GB free space
Graphics card	Card compatible with Windows Vista's Aero interface, minimum XGA (1024 x 768) and 128 MB graphic memory
Monitor	Recommended: 17"
Network card	Two Ethernet network cards (RJ45 connectors) <ol style="list-style-type: none">1. Connection to Blood bank Information System (BIS)2. Connection to CompoMat G5 network
CD drive	For installation of CompoMaster Net G5 software
Operating system	Microsoft Windows XP Professional / Windows 7 Professional
Miscellaneous	Keyboard, mouse, printer

1.10 Warnings

1.10.1 Operation



Warning

The CompoMaster Net G5 is to be used exclusively by qualified personnel. Fresenius Kabi assumes no responsibility for any further use of the CompoMaster Net G5 data.



Warning

The parameters entered must be verified by the user, i.e. the user must check that the values entered are correct.



Note

CompoMaster Net G5 permanently scans the system for messages. It is therefore strongly recommended that no other software programs (such as Word or Excel) be run on this PC simultaneously. Fresenius Kabi does not assume any liability for problems arising directly or indirectly in connection with the use of other software running on the PC on which the CompoMaster Net G5 is installed.

1.11 Communication CompoMaster Net G5

2.7.

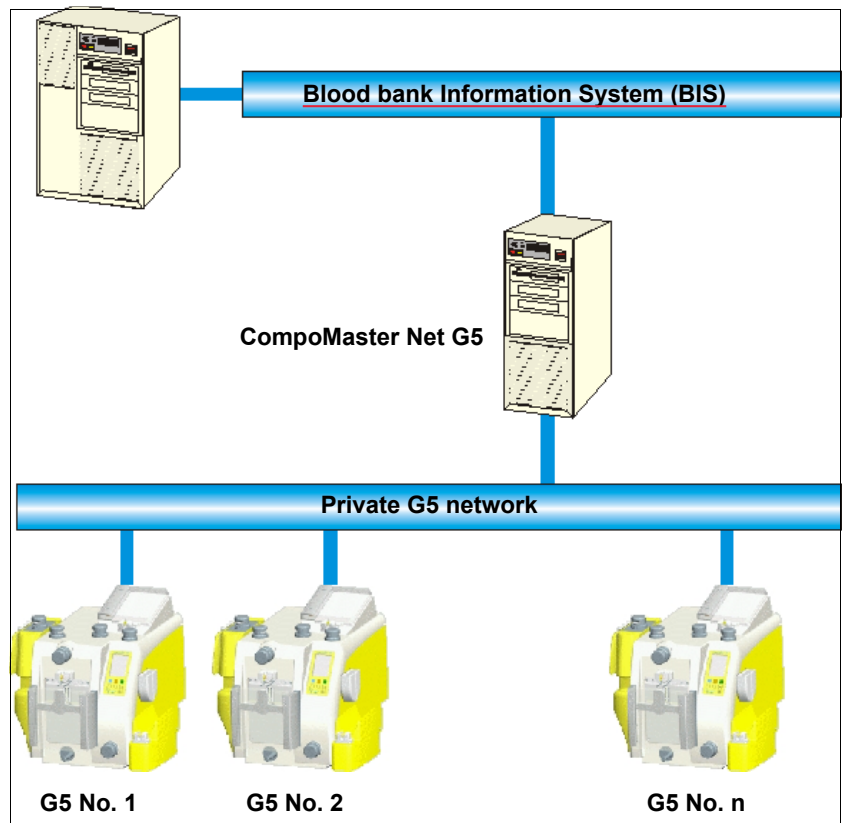
1.11.1 Network CompoMat G5

The private G5 network may be either a cabled (LAN) or wireless (WLAN) network.

1.11.2 LAN (Local Area Network)

The network consists of the following components:

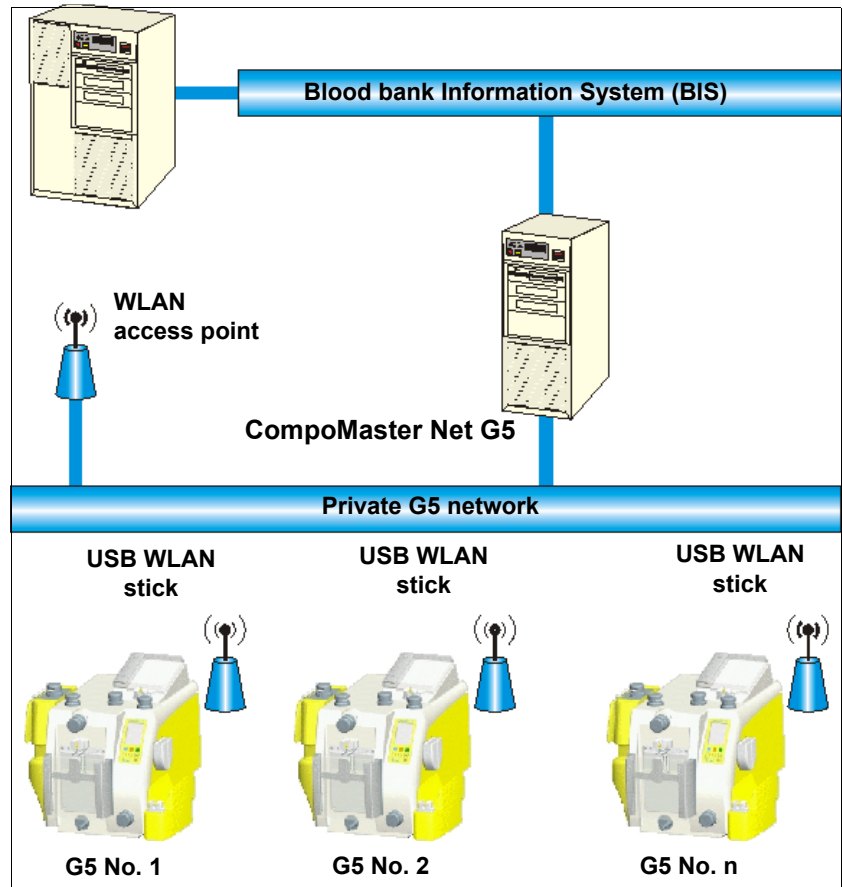
- **A single** application instance of CompoMaster Net G5
- At least one and no more than 100 CompoMat G5
- A private network (Ethernet 10/100 Base-T)
- Blood bank Information System (BIS)



1.11.3 WLAN (Wireless Local Area Network)

The network consists of the following components:

- **A single** application instance of CompoMaster Net G5
- At least one and no more than 100 CompoMat G5
- A private network (WLAN)
- A WLAN access point
- Maximum one USB WLAN stick per CompoMat G5:
- Blood bank Information System (BIS)



2 Installation / initial start-up

2.1 Installation of CompoMaster Net G5 software

The diagrams shown may differ from the actual image displayed on the PC screen depending on the operating system used.

Prior to installation all other programs must be closed.



Note

CompoMaster Net G5 may be only be installed and started up by authorized Fresenius Kabi service personnel or by service technicians approved by Fresenius Kabi.

If a previous version of CompoMaster Net G5 is installed on the computer, a backup should be made before installing the new version.



Note

Windows administrator rights are required on the PC to be able to install new software packages. Prior to the installation of CompoMaster Net G5 it must be ensured that the related user rights are set.



Note

Depending on the configuration of the operating system, it may be necessary to also install additional components. For CompoMaster Net G5 to function correctly, the related requirements must be met.

Installation of the CompoMaster Net G5 software requires insertion of the installation CD in the CD/DVD drive. The installation program starts automatically.

(See **Installation program** on page 2)



Note

If the **autorun feature** is not supported by the CD/DVD drive, you must start the installation program manually:

(see the instructions below)

You can terminate an ongoing installation at any time by using the **Cancel** button.

Starting Setup.exe manually

Open Windows™ explorer.

- Double-click the file **CompoMaster_Net_G5_setup.exe** in the root directory of the installation CD.

Provided all installation requirements are met and any missing components have been installed, the installation of CompoMaster Net G5 is started as follows.

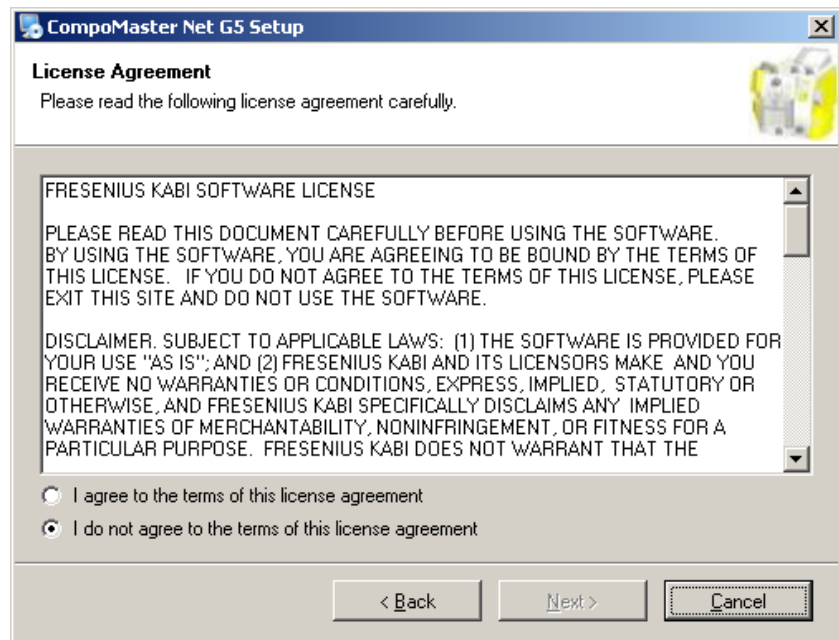
Installation program



– Click the **Next>** button.

The dialog box shown below opens.

License agreement



If you do not accept the license agreement or if you are not authorized to make legally-binding decisions, then the installation program must be terminated at this point by choosing the option **I do not agree to the terms of this license agreement!**

Continuing with installation

By selecting the option **I agree to the terms of this license agreement** and clicking **Next>**, you conclude a legally binding contract with Fresenius Kabi.

Entering the serial number of the software

The dialog box shown below opens.

The screenshot shows a dialog box titled "CompoMaster Net G5 Setup". The main heading is "Serial Number" with the instruction "Enter your serial number and click Next to continue." Below this, there are four input fields for the serial number: "1234", "5678", "9876", and "5432". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

- Enter the supplied serial number into the input fields.
- Click the **Next>** button.

The dialog box shown below opens.

The screenshot shows a dialog box titled "CompoMaster Net G5 Setup". The main heading is "Installation Folder" with the question "Where would you like CompoMaster Net G5 to be installed?". Below this, there is a text box containing the path "C:\Program Files\Fresenius Kabi\CompoMaster Net G5" and a "Change..." button. Further down, it states "Space required: 8.05 MB" and "Space available on selected drive: 2.59 GB". At the bottom, there are three buttons: "< Back", "Next >", and "Cancel".

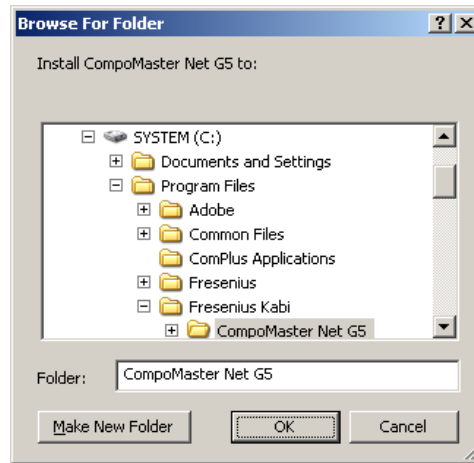
Click the **Next>** button to install the CompoMaster Net G5 software into the default folder (C:\ProgramFiles\Fresenius Kabi\CompoMaster Net G5).

Continue with **Continuation of standard installation** on page 4

Manual selection of the installation folder

You may also select a user-defined installation folder.

If you click the **Change...** button, a standard Windows browse window opens up.

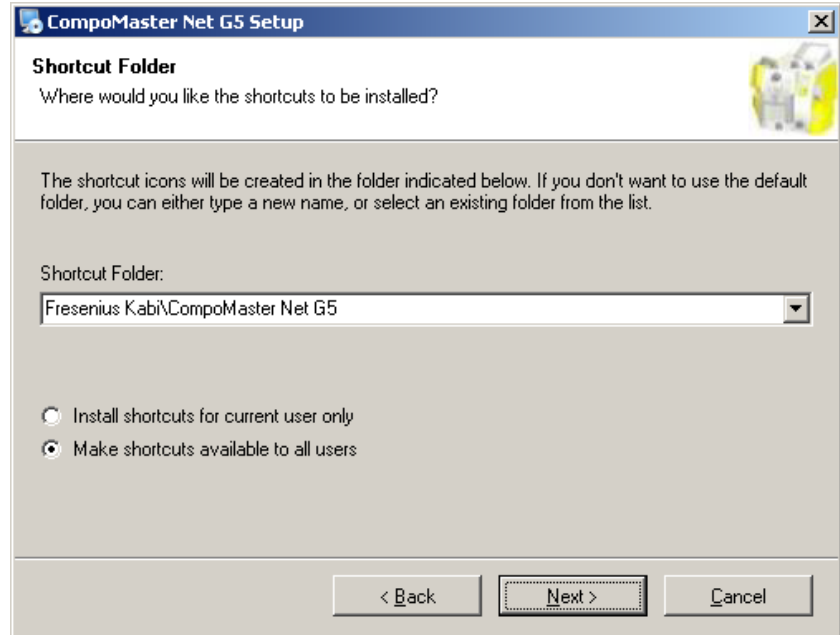


- Here you can either select the installation folder you want or use the **Make New Folder** button to create a new folder for the installation.

Click the **OK** button to proceed with the installation.

The selected installation folder is then shown in the **Start** menu field.

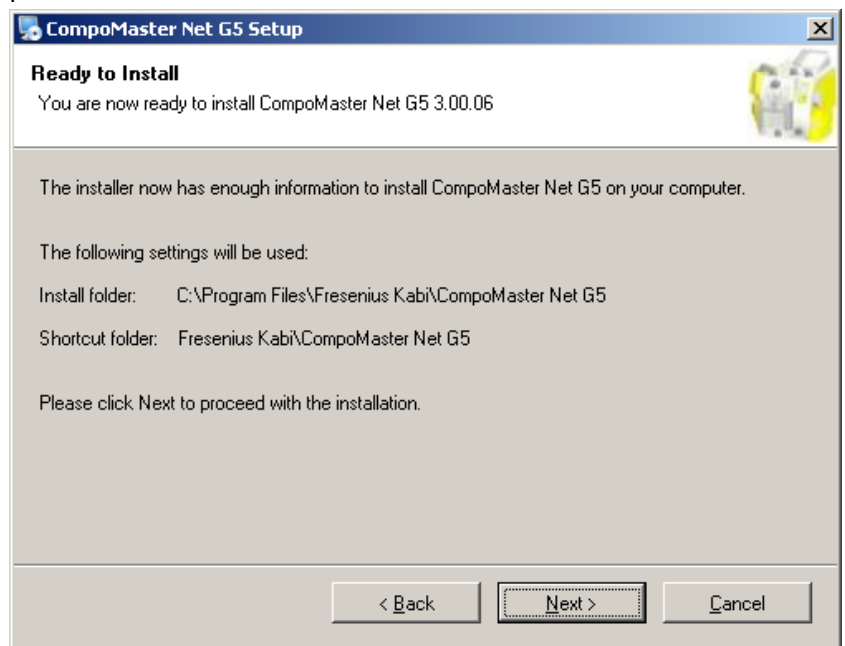
Continuation of standard installation



Use the radio buttons to specify whether the CompoMat G5 icon should be made available to all users or only to the user who is currently logged-in.

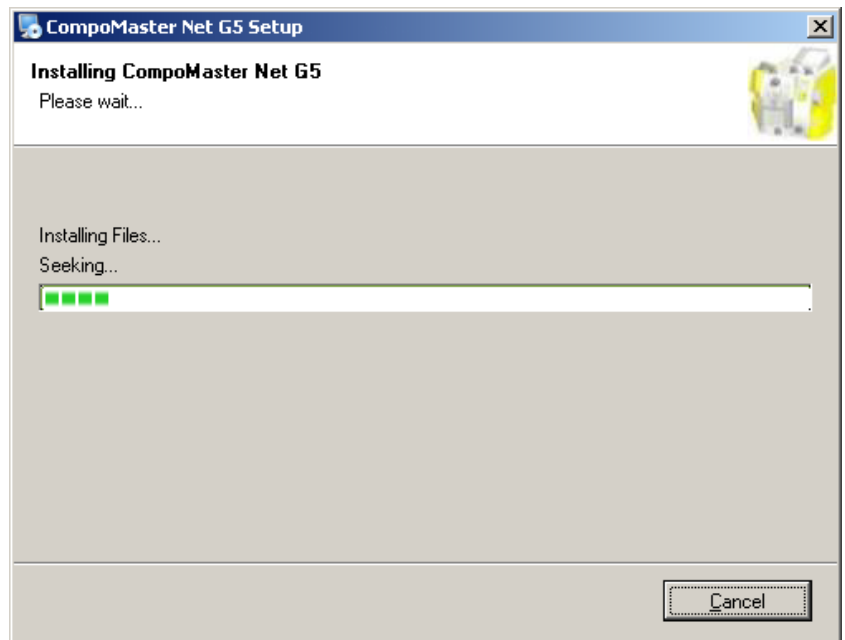
Click the **Next>** button to proceed with the installation.

The dialog box shown below opens.



Click the **Next>** button to proceed with the installation.

The dialog box shown below opens.



The dialog box shown below opens once installation has completed successfully.



Click the **Finish** button to complete the installation process.

3 User interface, CompoMaster Net G5

3.1 Starting the CompoMaster Net G5

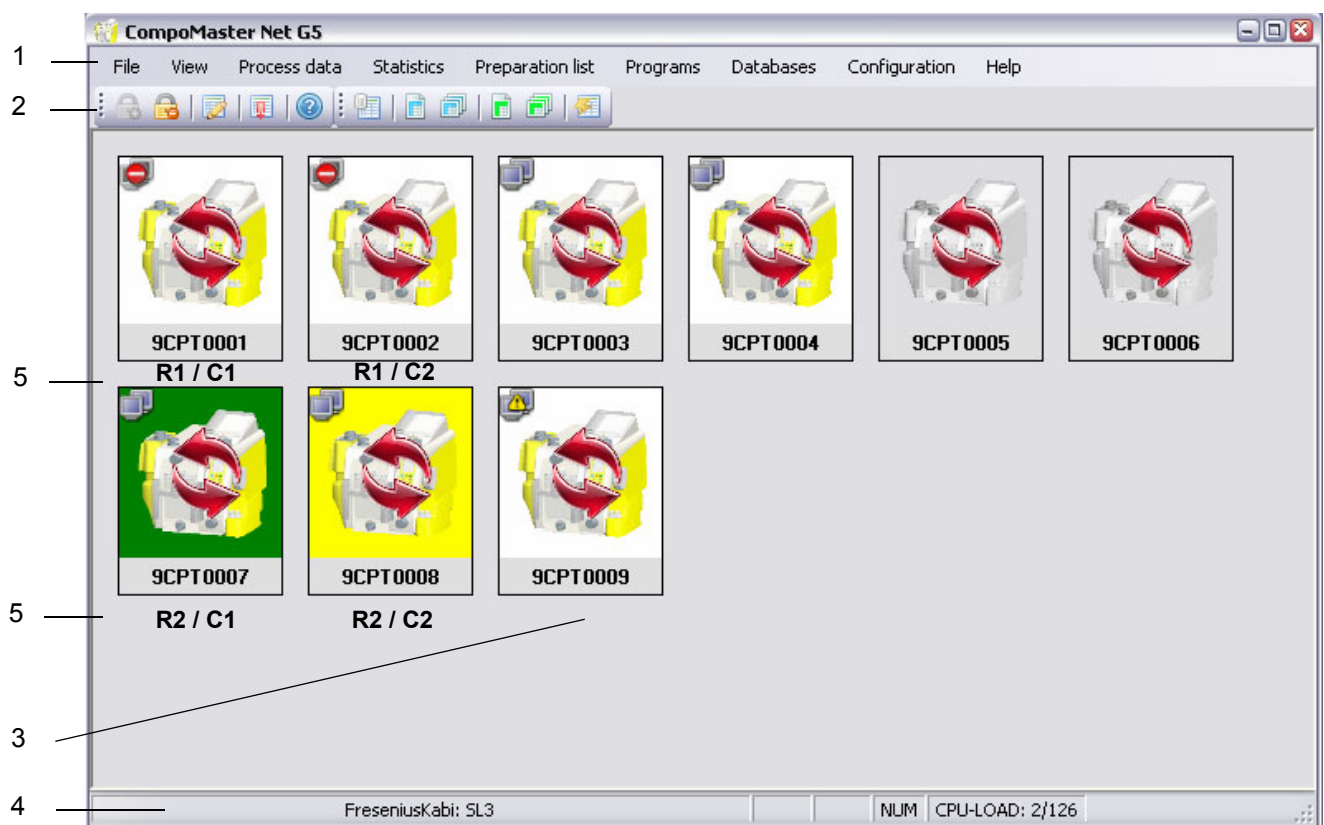
- In the Windows™ **Start** menu **Program Files/Fresenius Kabi/CompoMaster Net G5**, click the **CompoMaster Net G5** menu item.

The CompoMaster Net G5 software starts.

The main CompoMaster Net G5 window opens (see following figure).

The meaning of the various icons and colors is explained below.

3.2 Main window (overview)

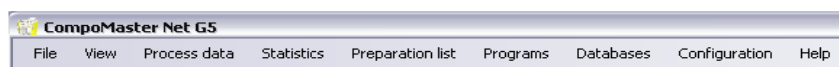


The CompoMaster Net G5 main window consists of the following sections:

1. Menu bar
2. Section for toolbar and process tool bar
3. Display area
4. Status bar
5. **For information only, is not displayed**
Position on screen **R**=Row **C**=Column

3.2.1 Main window / menu bar

The menu bar allows access to all of the CompoMaster Net G5 functions.



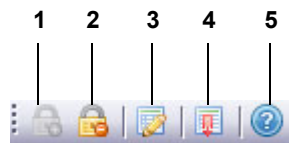
File	Log on Log out Exit
View	Status bar Toolbar Process tool bar
Process data	(No menu items)
Statistics	CompoMat G5 day report CompoMat G5 week report Production day report Production week report Special processes report
Preparation list	(No menu items)
Programs	(No menu items)
Databases	Operator Devices Result barcodes Incidence barcodes Centrifuge barcodes Additional barcodes Reference no. bloodbags Dummy barcodes

Configuration	Auto logout
	Start of the day
	Program lock
	Barcode scans / Data handling
	Directories / Datamanagement
	CompoMaster Net G5 language
	Barcode definitions
	CompoMat G5 parameter
Help	Help contents
	About CompoMaster Net G5

3.2.2 Main window / toolbars and process tool bar

3.2.2.1 Toolbar

The toolbar contains buttons that provide access to the following functions:



1. **Log on operator**
(same as **File / Log on** menu)
2. **Log out operator**
(same as **File / Log out** menu)
3. Open **programs**
(same as **Programs** menu)
4. Open **preparation list**
(same as **Preparation list** menu)
5. Open **help contents**
(same as **Help / Help contents** menu)

Inactive icons are greyed out

3.2.2.2 Process tool bar

The process tool bar contains buttons which provide access to the following functions:

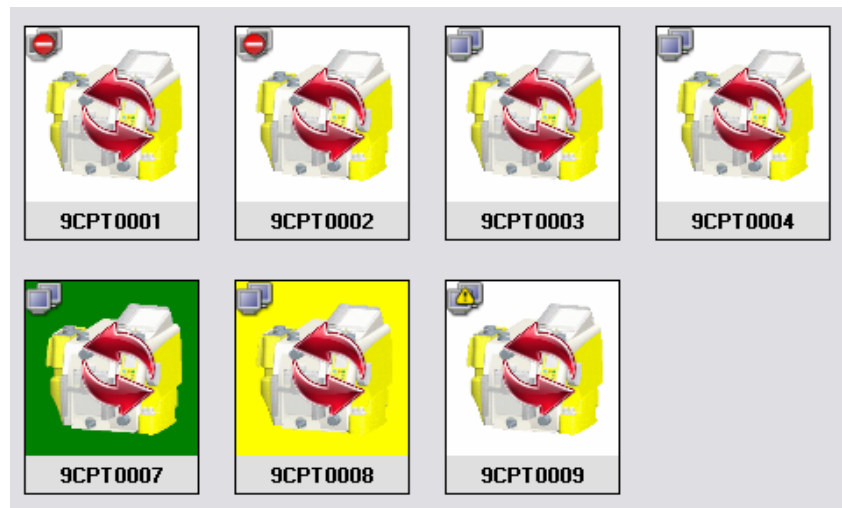


1. Open **process data**
(same as **Process data** menu)
2. Open **CompoMat G5 day report**
(same as **Statistics / CompoMat G5 day report** menu)
3. Open **CompoMat G5 week report**
(same as **Statistics / CompoMat G5 week report** menu)
4. Open **production day report**
(same as **Statistics / Day report** menu)
5. Open **production week report**
(same as **Statistics / Production week report** menu)
6. Open **inactive special processes report**
(same as **Statistics / Special processes report** menu)


Inactive icons are greyed out

3.2.3 Main window / display area

The display area contains information on the CompoMat G5 devices connected:



- Device name
- Network status

 = CompoMaster Net G5 connected, process data activated.

 = CompoMaster Net G5 not connected.

 = CompoMaster Net G5 connected, process data deactivated.

- Status of devices indicated by bitmap colors

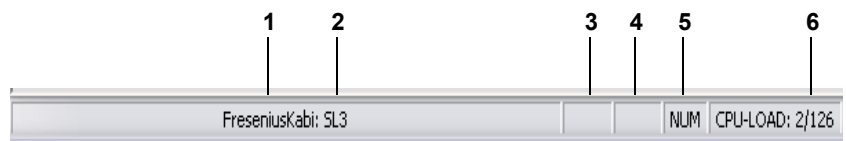
Color	Status
White	Idle
Green	Program running

Color	Status
Yellow	Paused
Red	Alarm
Light grey	Disabled

3.2.4 Main window / status bar

User logged on

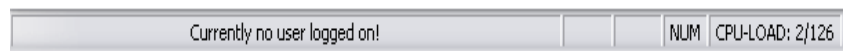
If a user is logged on, the following information is shown in the status bar:



1. User's name
2. User's authorization level
3. **CAPS**, if **upper case** activated
4. **SCRL**, if **scrolling** is activated
5. **NUM**, if **numeric keypad** is activated
6. Processor load

No user logged on

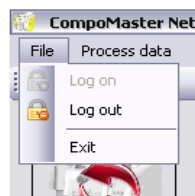
Status bar display in logged-out state:



3.3 Menus

3.3.1 File

The **File** menu provides the following menu options:



- **Log on**
- **Log out**
- **Exit**

3.3.1.1 File / Log on

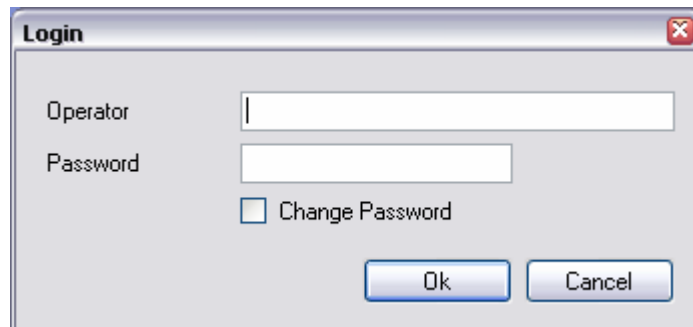
To be able to use CompoMaster Net G5 functionality, a user must first log on to the program.

Depending on authorization (SL 1, SL 2, SL 3), a user will have access to certain functions within CompoMaster Net G5.

(see **Authorization levels for CompoMaster Net G5** on page 70).

- Click **Log on** in the **File** menu.

The dialog box shown below opens.



Note

- The entry is case-sensitive.
- Any special characters also have to be entered.

Enter user name and password in the relevant fields.

All of the characters entered for the password will be displayed as asterisks (*).



Note

The following log-on data has to be used when logging on for the first time:

Operator: **Master**

Password: **Master**

User data is verified by clicking the **Ok** button.



Note

Release for program utilization can only take place if the name and password of the user are registered in the user database.



Tip

In order to protect the specific program settings, the default user (**Master**) should be deleted by the newly created administrator (user with **SL3**).

If the **Cancel** button is clicked, the user will not be logged on. The program functions can then not be used.

Changing the password

The user will have access to further program functions depending on the user's authorization level (SL 1, SL 2, SL 3).

If **Change Password** in the Login box was checked, the dialog box shown below appears, prompting for the entry of a new password.



Note

A password also has to be assigned when a user logs in for the first time.

- Enter the new password in the **Password** field.
- Repeat the new password in the **Confirm** field.

Click the **Ok** button to store the new password in the database.



Note

The new password is not entered in the database if the **Cancel** button is clicked.

The old password is retained and stays valid.

3.3.1.2 File / Log out

- Click **Log out** in the **File** menu.

The user will be logged out from CompoMaster Net G5.

The log on icon will become active (see figure below).



Note

In the **No user logged on** state CompoMaster Net G5 remains open, however it is not possible to make any changes/entries in the CompoMaster Net G5.

3.3.1.3 File / Exit



Note

Users must be logged on to CompoMaster Net G5 in order to exit the program.

- Click **Exit** in the **File** menu.

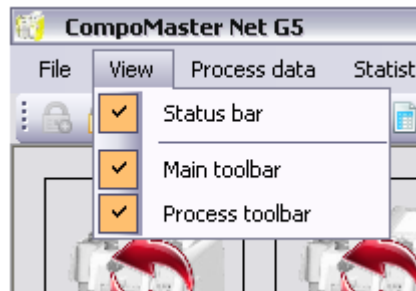
The dialog box shown below opens.



Click the **Ok** button to close CompoMaster Net G5.

3.3.2 View

The **View** menu provides the following menu options:



- Status bar
- Toolbar
- Process tool bar

3.3.2.1 View / Status bar

The status bar can be displayed by checking the **Status Bar** check box.

3.3.2.2 View / Toolbar

The toolbar can be displayed by checking the **Toolbar** check box.

3.3.2.3 View / Process tool bar

The process tool bar can be displayed by checking the **Process Tool Bar** check box.

3.3.3 Process data

A log file is recorded after each program run. The name of the log file has the following format:

DMP_YYYYMMDD.txt Example: DMP_20080714.txt

These files are saved to the directory ...**Data\Processdata** *)

*) Relative path from the folder in which CompoMaster Net G5 was installed.



Note

Data in process data files are saved encrypted for security reasons. It is therefore impossible to edit or change the data at a later stage.

– Click the **Process data** menu.

The dialog box shown below opens.



Note

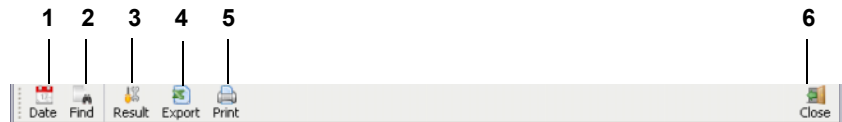
If no process was carried out on the specified date, a dialog box will open with the message **No Process data for this date found!**

Click **OK** button to open an empty data form.

For selection of the required date refer to **Date icon** on page 10.

The **Process data** dialog box is for information only.
No entries / changes can be made.

3.3.3.1 Toolbar

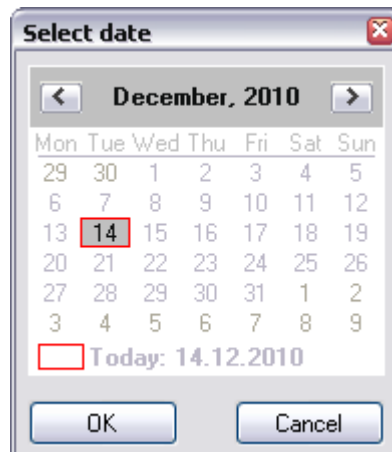




1. **Date** icon
2. **Find** icon
3. **Result** icon
4. **Export** icon
5. **Print** icon
6. **Close** icon

Date icon



Click the **Date** icon to open the Windows calendar shown below.



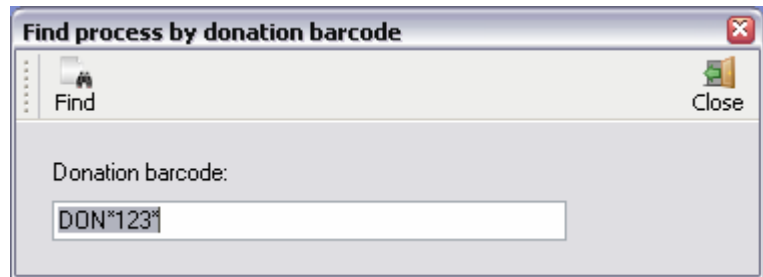
- Select the required month using  or .
- Select the required day by clicking the appropriate date.
- Click the **OK** button to accept the selection.

Process data for the selected date are displayed.

Find icon



The following dialog box is opened by clicking the **Find** icon.



By entering a donation barcode it is possible to search for the related process data.

- Enter donation barcode in the data field.
- Click **Find** icon.

The related process data are displayed.

Click the **Close** icon to close the dialog box without any action.



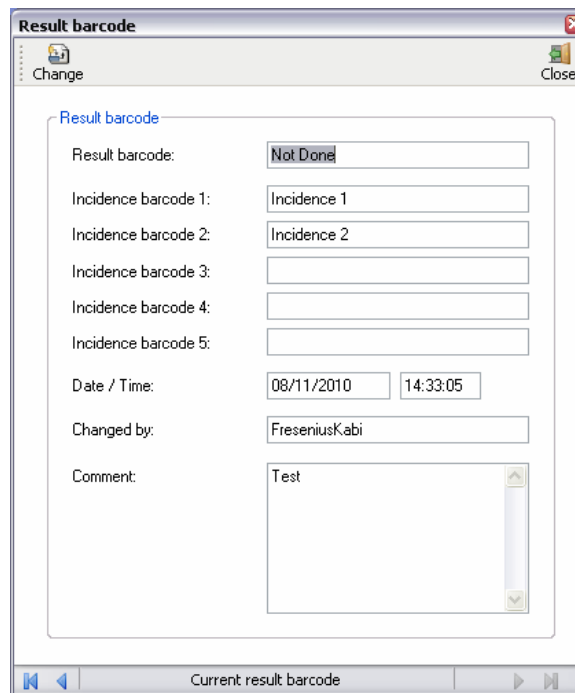
Note

The search context must be unambiguous, starting from the first digit. If the search context is not entered in full, the first hit from the database list is displayed as the result of the search.

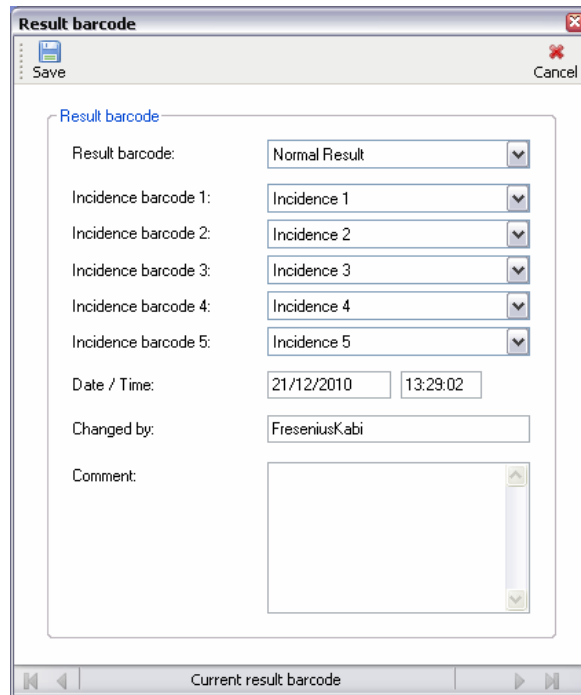
Result icon



Click the **Result** icon to open the following dialog box with the current result or current incidences.



Click the **Change** icon to open the following dialog box.



In this dialog box the result or the incidences can be changed with the aid of the selection lists. In addition arbitrary text can be added in the **Comment** field.

- It is possible to make more than one change.
- Date, time and user are logged for all changes.
- Only the last change is taken into account on printing and exporting.

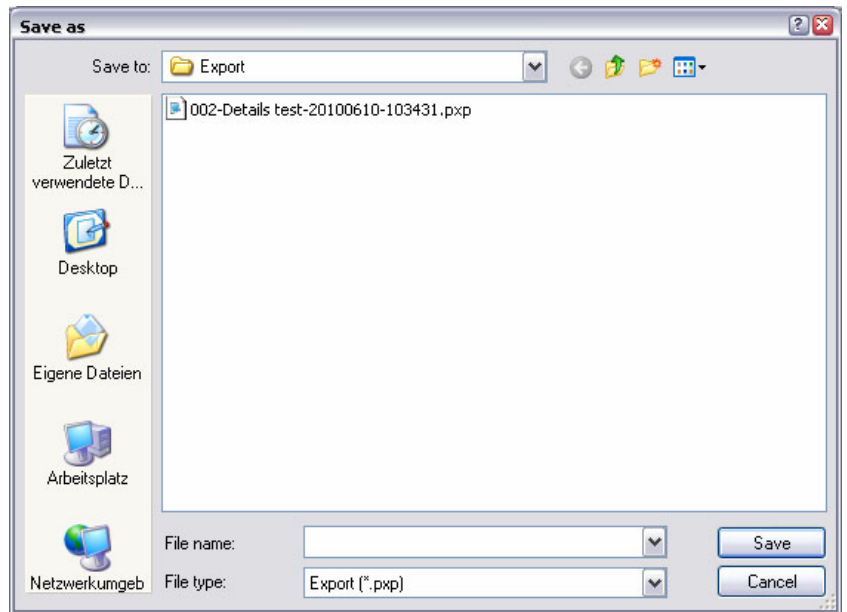
Click the **Save** icon to save all changes.

Export button



Exports the process data to csv file format.

Click the **Export** icon to open the following dialog box.



Enter a suitable file name into the **File name** field.

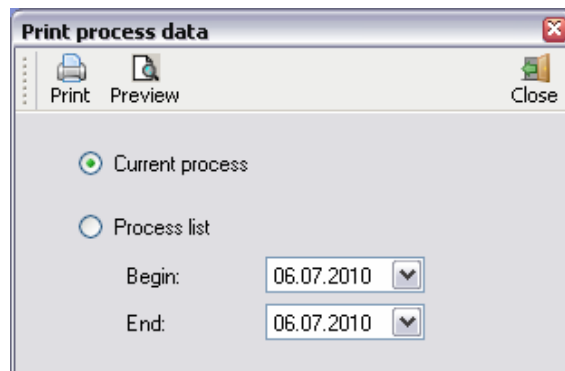
Click the **Save** button to save the file in **.csv** format in the folder **...\Data\Export ***.

*) Relative path from the folder in which CompoMaster Net G5 was installed.

Print button



Click the **Print** icon to open the following dialog box.



Current process option

Click the **Print** icon to print out the current process on the default printer.

Click the **Preview** icon to display the print preview for the current process on the screen.

Click the **Preview** icon to close the dialog box.

Process list option

If the **Process list** option is selected, a range of dates for the list to be created has to be selected.

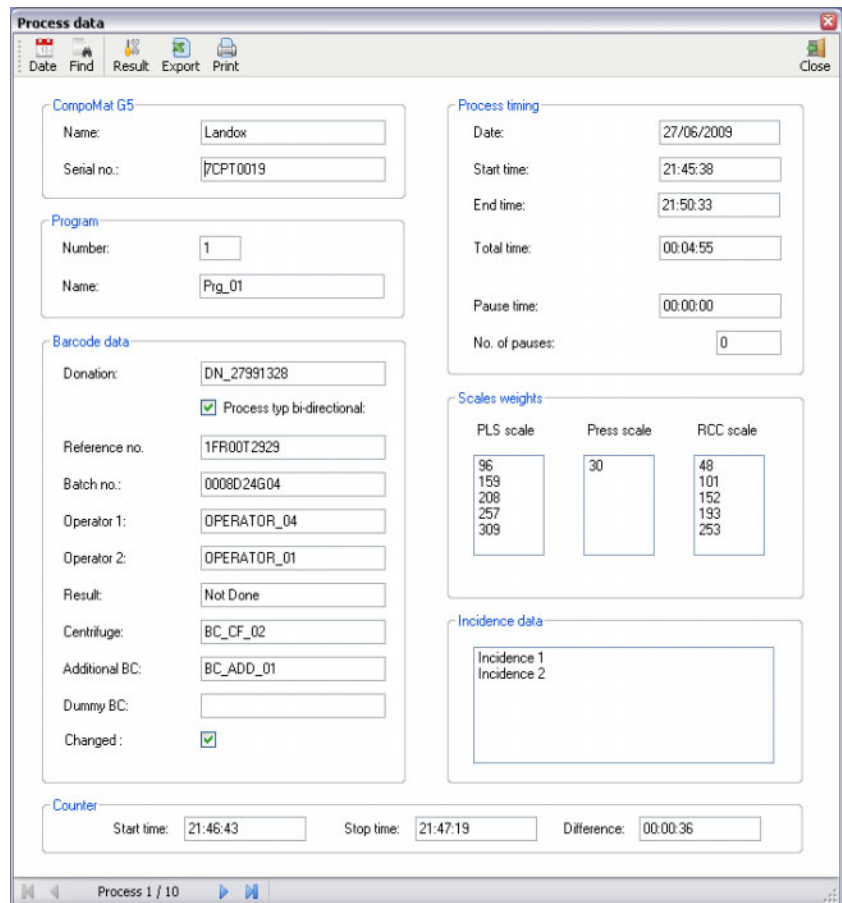
A Windows calendar dialog box is opened to set each date.
See also **Date icon** on page 10.

The **Print** icon will print the specified process list on the default printer.

The **Preview** icon will display a print preview of the specified process list on the screen.

Click the **Preview** icon to close the dialog box.

3.3.3.2 Data fields in the Process data dialog box



CompoMat G5

Name:

Allocated in the **Databases/Devices** menu

Serial no.:

Allocated in the **Databases/Devices** menu

Program data

Number:

Program slot

Name:

Program name

Barcode data

Donation:

Donation barcode

Process type bidirectional:

The donation barcode scanned will only be accepted if it is present in the preparation list.

	<p>Reference no.: Product barcode</p> <p>Batch no: Batch barcode</p> <p>Operator 1: Barcode of first operator</p> <p>Operator 2: Barcode of second operator</p> <p>Result: Result barcode, e.g. normal result, not ready, repeat start, etc.</p> <p>Centrifuge: Barcode of the centrifuge with which the blood unit was prepared</p> <p>Additional BC: Bar code for additional information about the blood unit</p> <p>Dummy BC: Replacement barcode for an unreadable barcode</p> <p>Changed: A checked check box indicates that the result or incidences have been changed once or several times.</p>
Process time	<p>Date: Date the process was carried out.</p> <p>Start time: Time the process was started.</p> <p>End time: Time the process was ended.</p> <p>Total time: Total time including the pause times.</p> <p>Pause time: Sum of the pause times.</p> <p>No. of pauses: Number of pauses.</p>
Weighing data	<p>PLS scale: (Up to 5 weight data points are shown)</p> <p>Press scales: (Up to 5 weight data points are shown)</p> <p>RCC scale: (Up to 5 weight data points are shown)</p>
Incidences	<p>Freely-definable barcodes: (e.g. leakage, rejection, etc.)</p>
Counter	<p>Start time: (Start time for a specific step in a program)</p> <p>Stop time: (End time for a specific step in a program)</p>

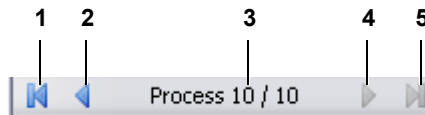
Difference:

(Shows the difference between the start and end times.)

This function can be used to calculate the time needed for a specific program step.

3.3.3.3 Navigation bar

Processes of the selected date can be displayed using the navigation bar.



1. First process for the selected date
2. Go back one process number
3. Indication of the process number;
4. Go forward one process number
5. Last process for the selected date

3.3.4 Statistics

3.3.4.1 Statistics / CompoMat G5 Day report

Program	Name	Runs	Total time	Pause time	Average time
31	Prg_31	2	00:09:38	00:00:00	00:04:49
23	Prg_23	1	00:05:25	00:00:00	00:05:25
32	Prg_32	1	00:04:50	00:00:00	00:04:50
21	Prg_21	1	00:05:19	00:00:00	00:05:19
1	Prg_01	1	00:04:55	00:00:00	00:04:55
33	Prg_33	1	00:05:02	00:00:00	00:05:02
27	Prg_27	1	00:04:56	00:00:00	00:04:56
5	Prg_05	1	00:05:01	00:00:00	00:05:01
4	Prg_04	1	00:05:22	00:00:00	00:05:22
Totals:		10	00:50:28	00:00:00	

The **CompoMat G5 day report** dialog box displays the process data for a selected CompoMat G5 for a specified day.

The **Device** pull-down menu is used to select the CompoMat G5 for which the week report is to be created.

Check the **Consider start of the day** check box to apply the shift time as defined in the **Configuration / Start of the day** menu, instead of the natural day change-over time (12:00 midnight).

Click the **Date** icon to open the Windows calendar: this is used to set the start date for which the report will be created.

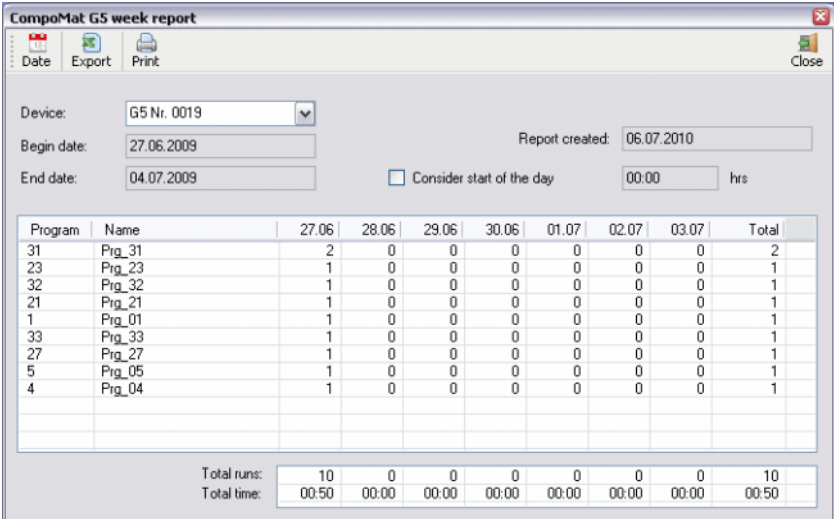
Exporting a day report

Click the **Export** icon to export the day report as a **.csv** file.

Printing a day report

Click the **Print** icon to print out the day report.

3.3.4.2 Menu / CompoMat G5 week report



Program	Name	27.06	28.06	29.06	30.06	01.07	02.07	03.07	Total
31	Prg_31	2	0	0	0	0	0	0	2
23	Prg_23	1	0	0	0	0	0	0	1
32	Prg_32	1	0	0	0	0	0	0	1
21	Prg_21	1	0	0	0	0	0	0	1
1	Prg_01	1	0	0	0	0	0	0	1
33	Prg_33	1	0	0	0	0	0	0	1
27	Prg_27	1	0	0	0	0	0	0	1
5	Prg_05	1	0	0	0	0	0	0	1
4	Prg_04	1	0	0	0	0	0	0	1
Total runs:		10	0	0	0	0	0	0	10
Total time:		00:50	00:00	00:00	00:00	00:00	00:00	00:00	00:50

The **CompoMat G5 week report** dialog box displays the process data of a selected CompoMat G5 for a specified week.

The **Device** pull-down menu is used to select the CompoMat G5 for which the week report is to be created.

Check the **Consider start of the day** check box to apply the shift time as defined in the **Configuration / Start of the day** menu, instead of the natural day change-over time (12:00 midnight).

Click the **Date** icon opens a Windows calendar dialog: this is used to set the start date for which the report will be created. The end date is calculated automatically.

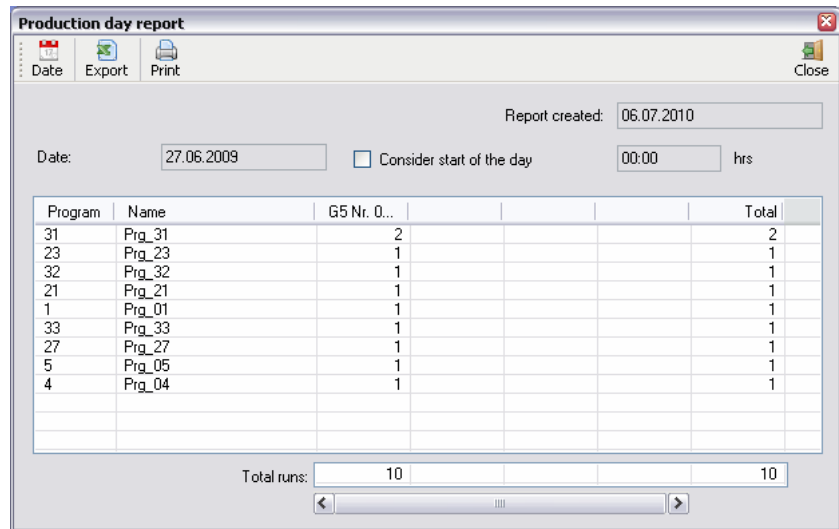
Exporting a week report

Click the **Export** icon to export the week report as a **.csv** file.

Printing a week report

Click the **Print** icon to print out the week report.

3.3.4.3 Statistics / Production day report



The **Production day report** dialog box displays the process data of all CompoMat G5 for a day.

Check the **Consider start of the day** check box to apply the shift time as defined in the **Configuration / Start of the day** menu, instead of the natural day change-over time (12:00 midnight).

Click the **Date** icon to open the Windows calendar: this is used to set the start date for which the report will be created.

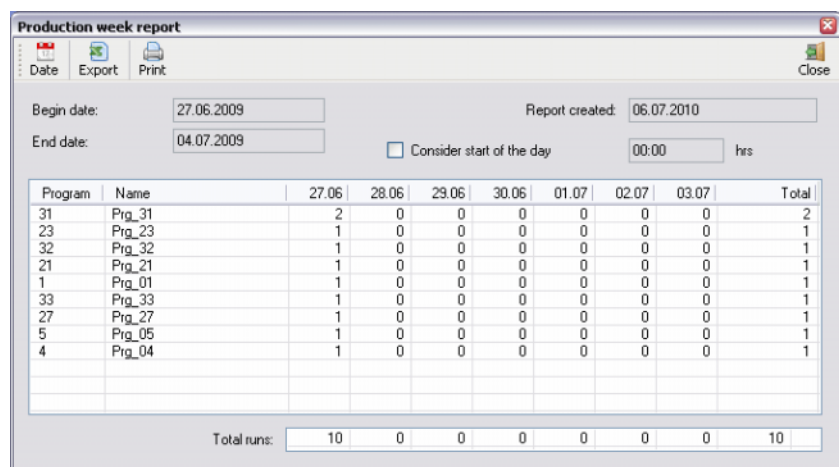
Exporting a production day report

Click the **Export** icon to export the day report as a .csv file.

Printing a production day report

Click the **Print** icon to print out the day report.

3.3.4.4 Menu / Production week report



The **Production week report** dialog displays the process data of all CompoMat G5 for a week.

Check the **Consider start of the day** check box to apply the shift time as defined in the **Configuration / Start of the day** menu, instead of the natural day change-over time (12:00 midnight).

Click the **Date** icon opens a Windows calendar dialog: this is used to set the start date for which the report will be created. The end date is calculated automatically.

Exporting a production week report

Click the **Export** icon to export the week report as a .csv file.

Printing a production week report

Click the **Print** icon to print out the week report.

3.3.4.5 Statistics / Special processes report

Date	Program	Donation	Operator	Result
27.06	1	DN_27991328	OPERATOR_04	RES_ABNORMAL

The **Special processes report** dialog box displays data for processes that:

- exceeded a defined time limit for the pressing-out operation;
- were canceled;
- were terminated with a result barcode that differed from the normal result barcode.

Check the **Consider start of the day** check box to apply the shift time as defined in the **Configuration/Start of the day** menu, instead of the natural day change-over time (12:00 midnight).

Setting a report timeframe

Click the **Begin** icon to open a Windows calendar dialog: this is used to select the start date.

Click the **End** icon to open a Windows calendar dialog: this is used to select the end date.

Exporting a special processes report

Click the **Export** icon to export the special process report as a .csv file.

Printing a special processes report

Click the **Print** icon to print out the special processes report.

The data of the preparation list are automatically internally updated by the CompoMaster Net G5 every second.

Click the **Update** icon to update the changes in the opened dialog box.

Click the **Remain** icon to send unprocessed orders back to the BIS as **unprocessed**.

It is not possible to make changes in the preparation list.

3.3.6 Programs



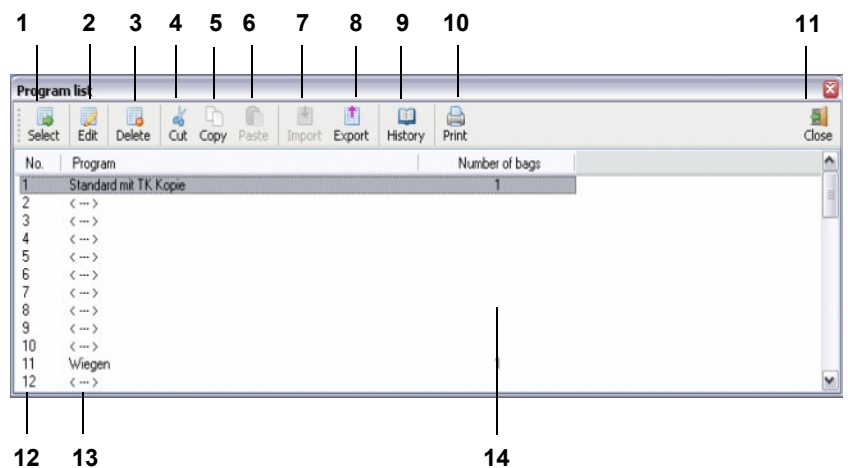
Note

Requirement for operation of the **Programs** menu is **authorization level SL 2 or SL 3**.

A maximum of 50 programs can be created within CompoMaster Net G5.

The **Program List** dialog box offers a variety of functions for program management.

Click the **Programs** menu option to display the dialog box shown below (partial view).



Layout of the Program list dialog box

1. **Select button**
Selects a program on one or more CompoMat G5.
2. **Edit button**
Edits the contents of the program.
3. **Delete button**
Deletes the contents of the program.
4. **Cut button**
Removes a program selected in the list from its program slot, in order to insert it back into another program slot.
5. **Copy button**
Copies a program in the list, so the copy can be pasted in another program slot.
6. **Paste button**
Pastes a previously cut or copied program in the selected program slot.
7. **Import button**
Imports a program that was created with a different CompoMaster Net G5.
8. **Export button**
Exports a program, in order to import it into a different CompoMaster Net G5.
9. **History button**
Displays the various program states.
10. **Print button**
Prints out the selected program.
11. **Close button**
Closes the **Program List dialog box**.
12. **No. column**
Displays the program slot number.
13. **Program column**
Displays the name of the program.
14. **Number of bags column**
Displays the number of required bags in the system.

3.3.6.1 Buttons

Select

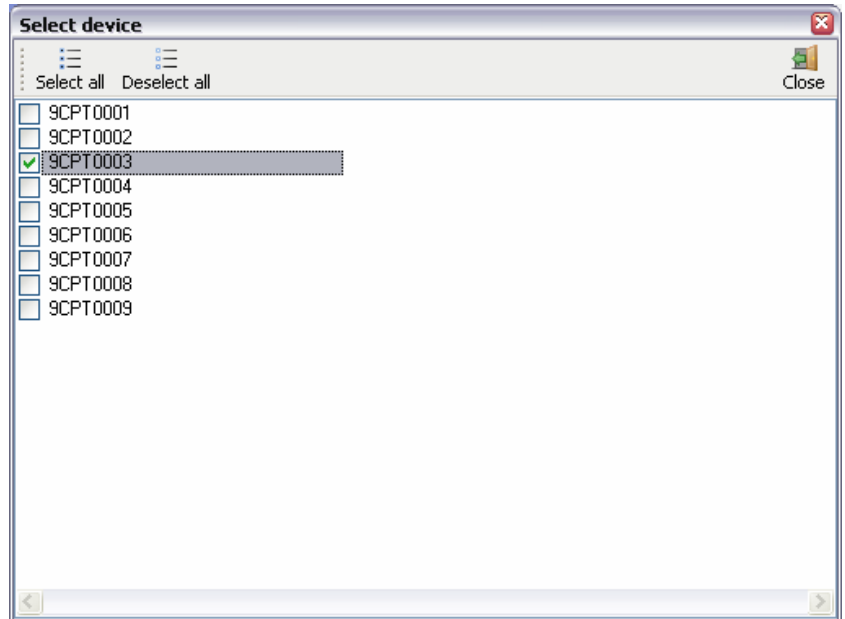


Sends a previously selected program to one or more CompoMat G5 devices.

- Select program using the mouse
(The selected program is displayed with a blue background);
- Click **Select** icon.

The dialog box shown below opens.

- **Select device dialog box**



The list shows all of the CompoMaster Net G5 devices registered with the CompoMat G5.

- Check the related check box to select one or more CompoMat G5;
- Click **Close** icon.

The program will be selected for the selected CompoMat G5.



Note

If the program is not yet available in the CompoMat G5, the program will be transferred and will be available immediately afterwards.

Edit



- Select program using the mouse
(The selected program is displayed with a blue background).



Note

By selecting an empty program slot (<---->), a new program can be created.



Tip

A quicker method:

- Copy an existing program
- Rename the copy
- Change the program steps

- Click **Edit** icon.

The Edit programs dialog box opens.

Due to the extensive functionality and for improved clarity, there is a dedicated chapter on the use of the **Edit programs** dialog box.
(see chapter 3.3.7 , page 27)

Delete



- Use the mouse to highlight a program.
- Click the **Delete** button.

The selected program will be deleted.

Cutting



The **Cut** function is used to re-locate an existing program to another program slot.

- Use the mouse to highlight a program.
- Click the **Cut** button.
- Select a new program slot.
- Click the **Paste** button.



Note

If the target program slot is already occupied, it will be overwritten after confirming a safety prompt.

Copy



The **Copy** function is used to copy an existing program to another program slot.



Tip

In most cases, it makes more sense to modify an existing program than to create a new one.

- Use the mouse to highlight a program.
- Click the **Copy** button.
- Select a new program slot.
- Click the **Paste** button.



Note

If the target program slot is already occupied, it will be overwritten after confirming a safety prompt.

Insert



The **Paste** icon is used together with the **Cut** or **Copy** functions.

Import



Imports programs from other CompoMaster Net G5 applications.

- Select an empty program slot.
- Click the **Import** button.

A standard Windows browse window opens up.

- Select the source directory.

Export



Exports programs and makes programs available to other CompoMaster Net G5 applications.

- Select the program you want to export.
- Click the **Export** button.

A standard Windows browse window opens up.

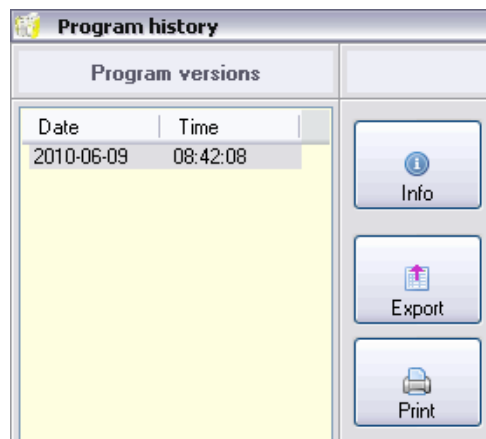
- Click the **Save** button.

The program is exported and saved.

History



The **History** button function helps to identify changes that have been made to the selected program. By selecting the modification date in the **Program versions** column, each separate program version can be displayed.



(Section of Program History dialog box)

- Select the date in the **Program versions** column.

The corresponding program version is displayed.

Info button:

Displays comments and revision descriptions for program versions.

Export button:

Exports the selected program version.

(For procedure see also **Export** on page 25)



Tip

You can restore an old program version by exporting and importing a program version.

Print



Click the **Print** icon to open a screen preview with the main program and sub-program open.

The list displayed can then be printed.

Close



Click the **Close** icon to close the **Programs** dialog box.

Context menu within the Program List dialog box (right mouse button)

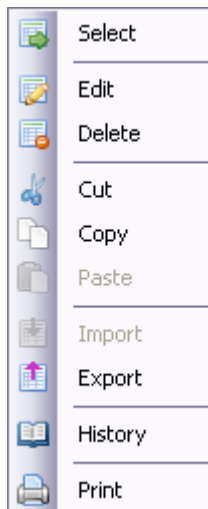


Tip

All program functions are also accessible via a context menu

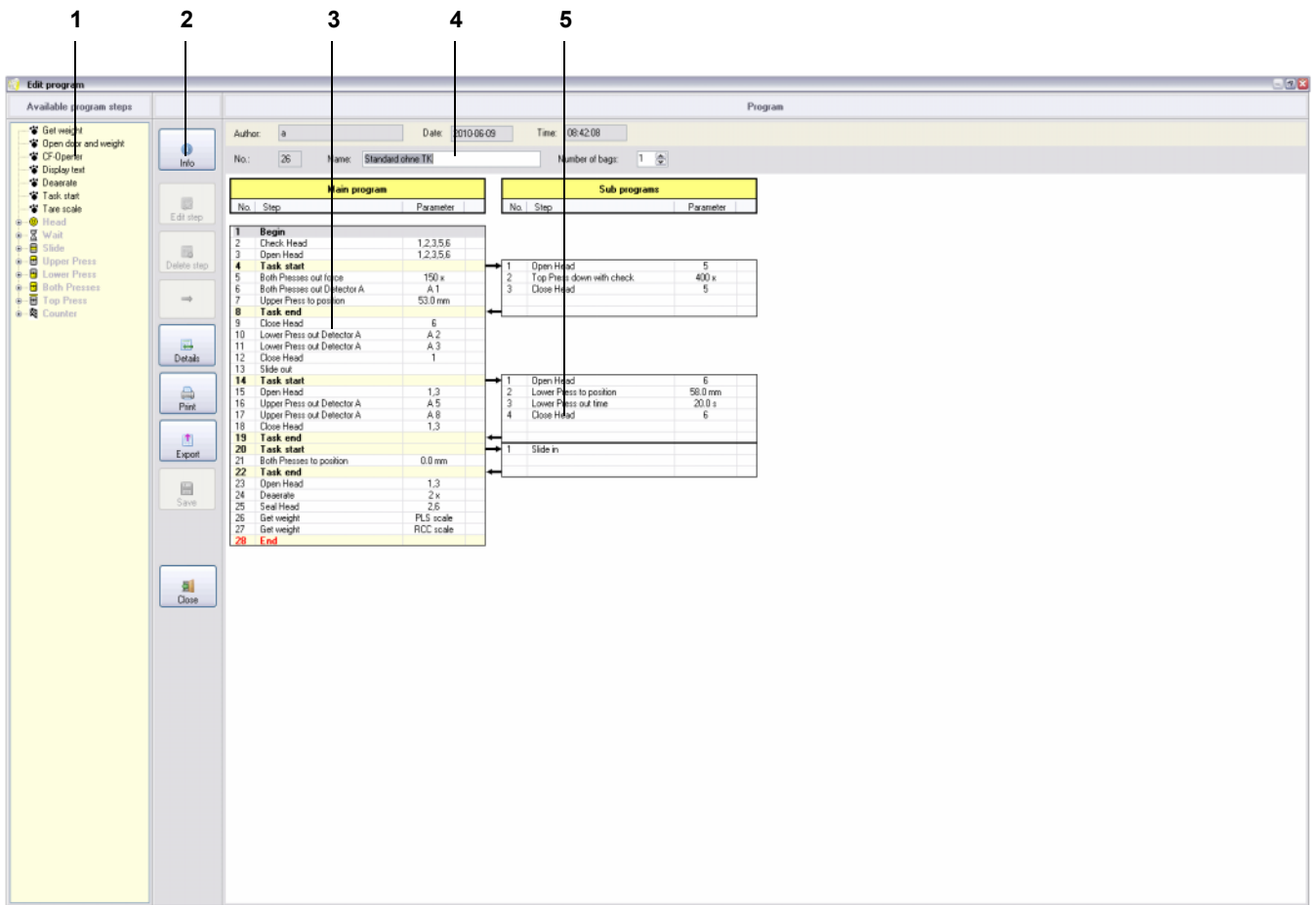
- Place the mouse cursor on the program list.
- Click the right mouse button.

The context menu shown below is displayed.



Select command.


3.3.7 Edit program dialog box



1. Selecting from available program steps
2. Buttons
3. Main program list
4. Program details
5. Sub-program(s) list

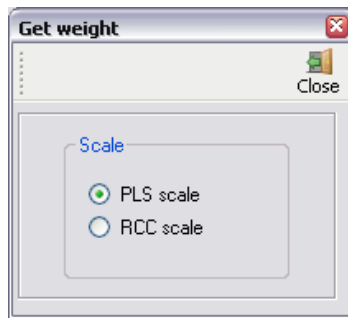
The **Edit program** dialog box is used to create new programs or modify existing programs.

Selecting from available program steps

Individual program steps can be selected from the list of **available program steps** by clicking them and then using the  button (green right arrow) to insert them in a previously-selected main program or sub-program.

(See also **Insert program step** on page 63)

Get weight



Choose the scales to be used to determine the weight.

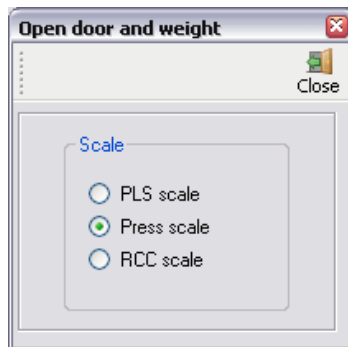
– **Scale - PLS scale**

or

– **Scale - RCC scale**

Click the **Close** button to close the dialog box.

Open door and weight



Choose the scales to be used to determine the weight.

– **Scale - PLS scale**

or

– **Scale - Press scale**

or

– **Scale - RCC scale**

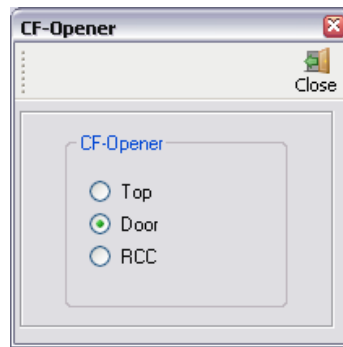
Click the **Close** icon to close the dialog box.



Note

When selecting the press scales, users must ensure that the donation bag hangs freely during the weighing process.

CF-Opener



Select the CF-Opener to activate.

– **CF-Opener - Top**

or

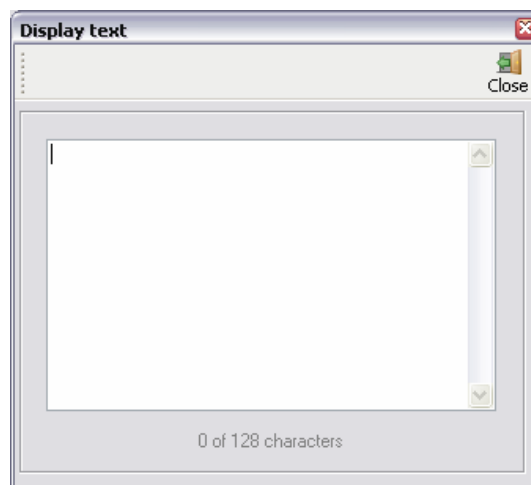
– **CF-Opener - Door**

or

– **CF-Opener - RCC**

Click the **Close** icon to close the dialog box.

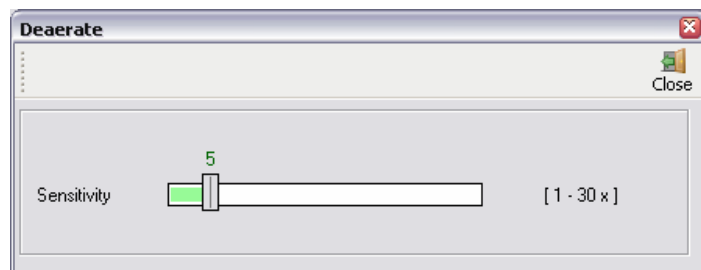
Display text



The **Display text** input field can be used to specify a user-defined piece of text that will be displayed on the screen of the CompoMat G5 on reaching this program step. The length of the text is limited to 128 characters.

Click the **Close** icon to close the dialog box.

Deaerate (Plasma deaeration)



Plasma deaeration is controlled by the plasma deaeration unit scales. The **Sensitivity 1-30** is roughly equivalent to a weight change of 1–30 g.

When the sensitivity is adjusted to 1, Head 3 will close as soon as a weight change of approx. 1 g is registered (very little plasma in the plasma line)

When the sensitivity is adjusted to 30, Head 3 will not close until a weight change of approx. 30 g is registered (relatively large amount of plasma in the plasma line)

Click the **Close** icon to close the dialog box.

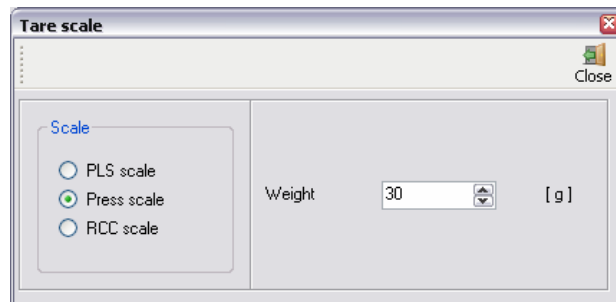
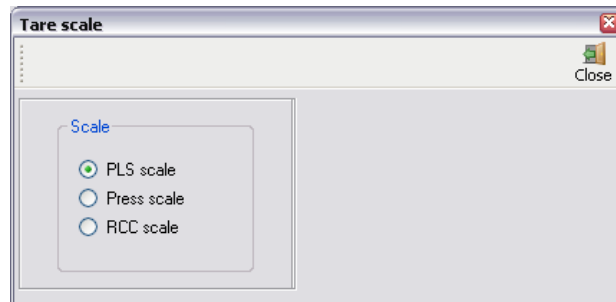
Task start

A sub-program is inserted by adding the **Task start** program step.

Sub-programs run concurrently with the main program. Program steps only continue once the main program and sub-program have reached the program step **Task end**.

Click the **Close** icon to close the dialog box.

Tare scale



Use the radio buttons to select the desired scales to tare, independently of the program:

– **Scale - PLS scale**

or

– **Scale - Press scale**

or

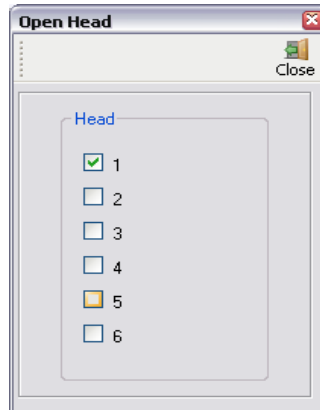
– **Scale - RCC scale**

An additional **Weight** selection field is available for the **Press scales**. This field can be used to specify the tare weight of the donation bag.

The **PLS scales** and **RCC scales** are always tared using the tare weight.

Click the **Close** icon to close the dialog box.

Open Head

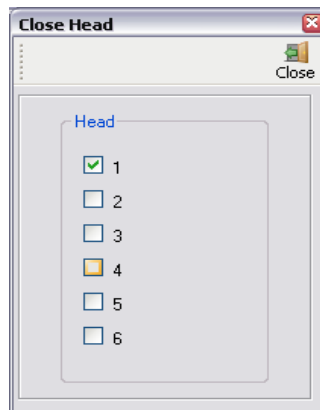


Choose the head(s) that should be opened.

- **Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6** Multiple items can be selected.

Click the **Close** icon to close the dialog box.

Close Head

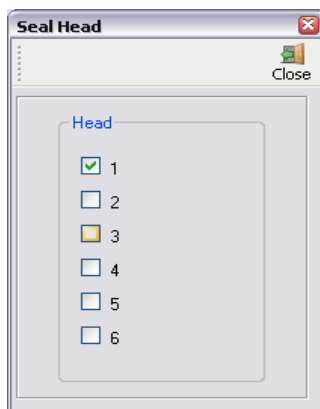


Choose the head(s) that should be closed.

- **Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6** Multiple items can be selected.

Click the **Close** icon to close the dialog box.

Seal Head

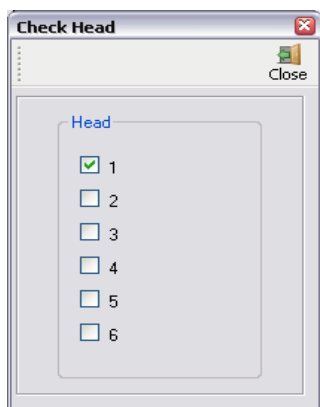


Choose the head(s) that should carry out sealing.

- **Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6** Multiple items can be selected.

Click the **Close** icon to close the dialog box.

Check Head



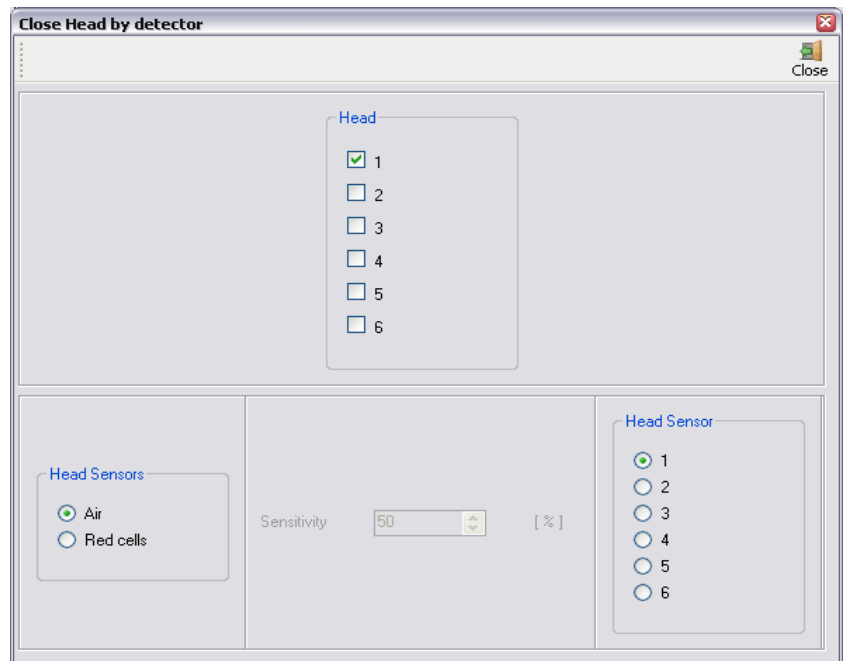
The **Check Head** program step checks whether a tube has been inserted.

Choose the head(s) that should carry out a check.

- **Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6** Multiple items can be selected.

Click the **Close** icon to close the dialog box.

Close Head by detector



All heads are equipped with sensors, which are able to detect **Air** or **Red cells**.

Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6

Choose the head(s) that should be closed once the specified criteria are met. Multiple items can be selected.



Tip

Typically, the same settings are used for **Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6** and for **Head Sensor - 1, Head Sensor - 2, Head Sensor - 3, Head Sensor - 4, Head Sensor - 5, Head Sensor - 6**.

Head Sensor - Air / Red cells

Choose whether **air** or **red cells** should be detected.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

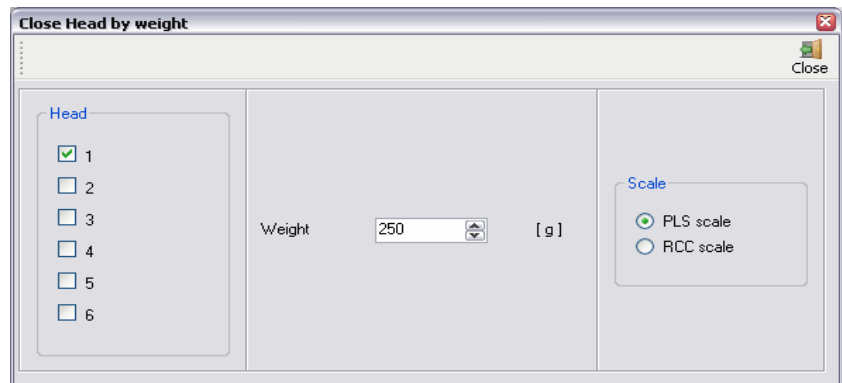
- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

Head Sensor - 1, Head Sensor - 2, Head Sensor - 3, Head Sensor - 4, Head Sensor - 5, Head Sensor - 6

Choose the head to use as a detector.

Click the **Close** icon to close the dialog box.

Close Head by weight



Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6

Choose the head(s) that should be closed once the specified weight has been attained. Multiple items can be selected.

Weight [g]

Target weight for the **Close Head by weight** action.

Scale

Choose the scales to use to determine the weight.

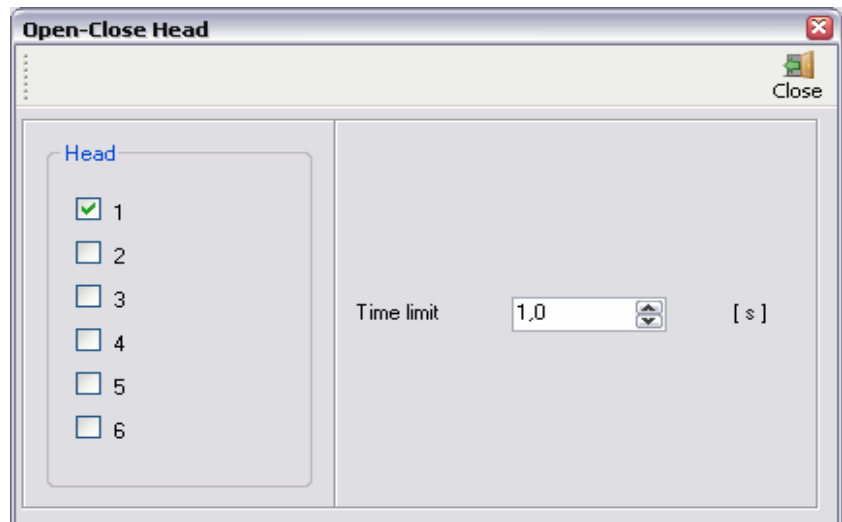
– **Scale - PLS scale**

or

– **Scale - RCC scale**

Click the **Close** icon to close the dialog box.

Open-Close Head



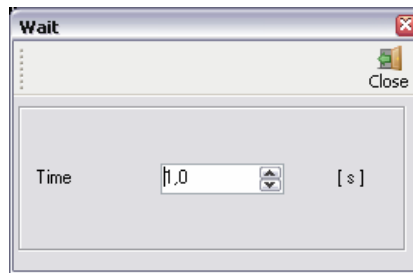
Head - 1, Head - 2, Head - 3, Head - 4, Head - 5, Head - 6

Choose the head(s) that should be opened and closed again once the specified time period has expired. Multiple items can be selected.

Time limit [s]

Period of time during which the head(s) should remain open.


Click the **Close** icon to close the dialog box.

Wait

The insertion of the **Wait** program step can be used to specify a configurable wait period within a running program.

Click the **Close** button to close the dialog box.

Wait for start

By inserting the **Wait for Start** program step, the running program can be paused until the operator re-starts program execution by pressing the  key (green).

Slide in

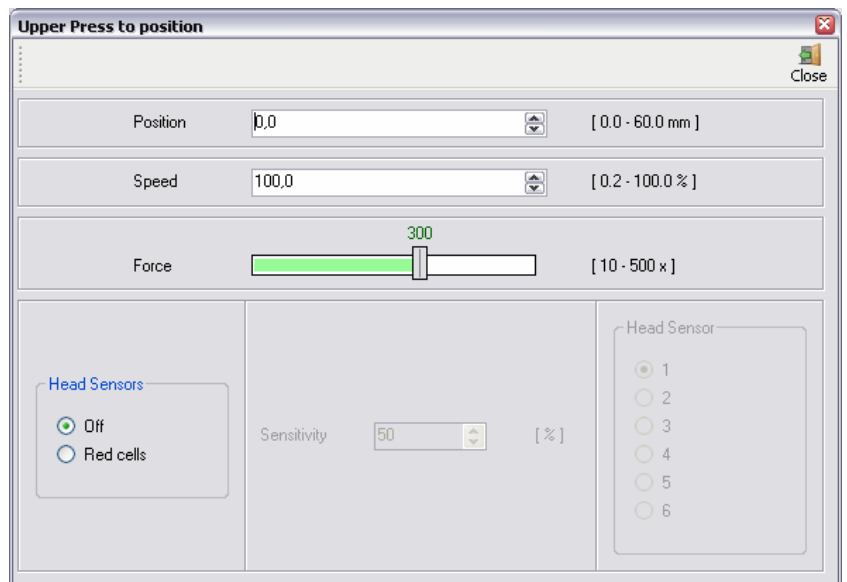
The **Slide in** program step is used to retract the slide.

Slide out

The **Slide out** program step is used to extend the slide. The lower press is retracted using a power-driven system.

**Tip**

Extending the slide exerts an additional force on the donation bag. As a result, red cells with buffycoat can move in an upwards direction. To prevent this, the lower press is retracted using a power-driven system.

Upper Press to position**Position [0.0–60.0]**

Specifies the press position to which the upper press should be extended.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force that the upper press should exert on the bag.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

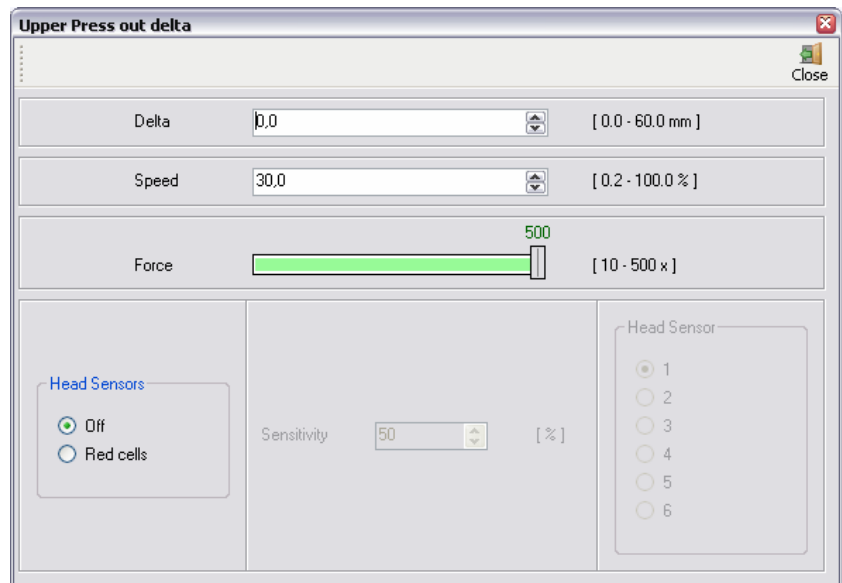
The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

Click the **Close** icon to close the dialog box.

Upper Press out delta



Delta [0.0–60.0]

Specifies the way in which the upper press extends to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)

**Tip**

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

Click the **Close** icon to close the dialog box.

**Upper Press out
Detector A**
**Detector A1, Detector A2, Detector A3, Detector A4, Detector A5,
Detector A6, Detector A7, Detector A8**

Choose the detector level to which the upper press should press out.

The upper press stops once it has reached the selected level.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

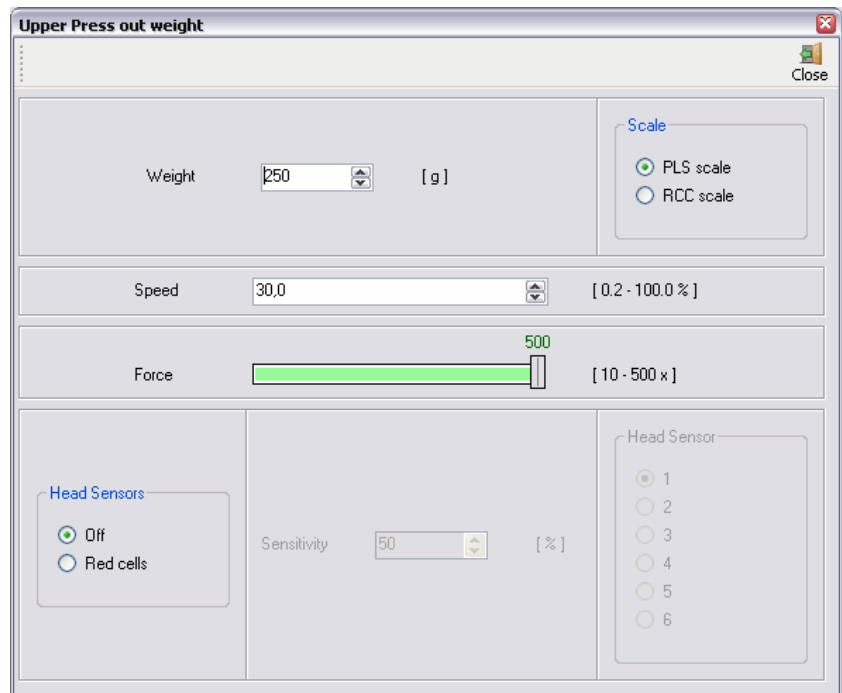
The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Upper Press out weight



Weight [g]

Input the weight that the upper press should press out.

Scale - PLS scale/RCC scale

Select the scales with which the predefined weight is to be measured.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)

**Tip**

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Upper Press out force
Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

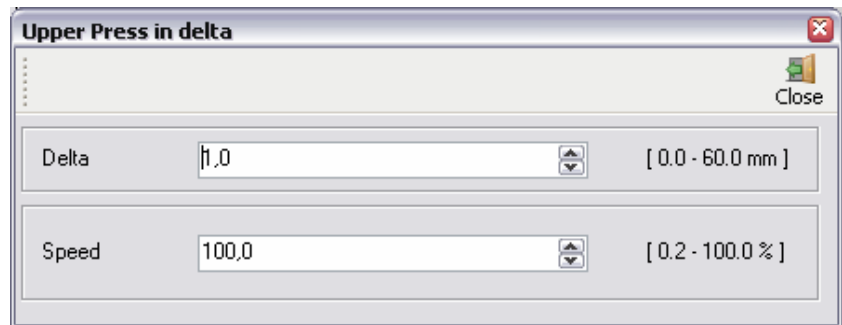
The setting 35% is roughly equivalent to the value B on the **CompoMat G4**
 The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Upper Press in delta



Delta [0.0–60.0]

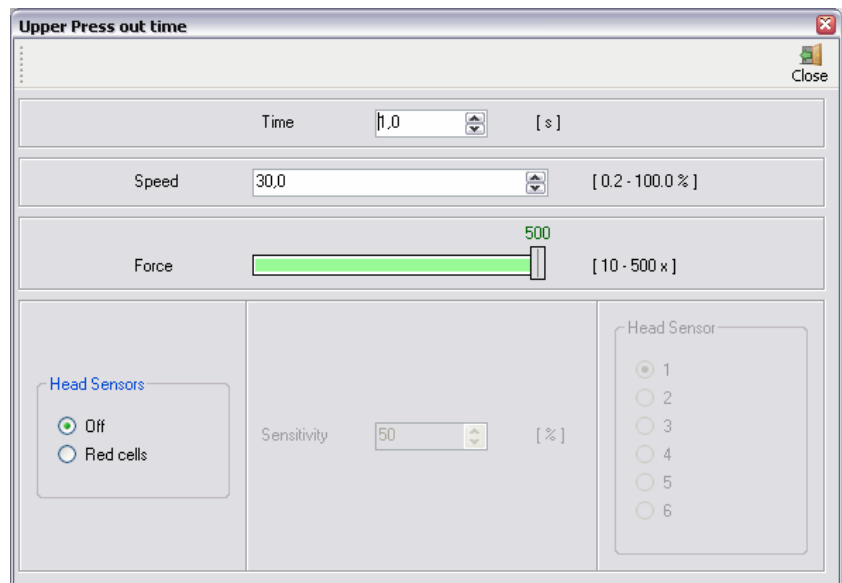
Specifies the way in which the upper press retracts to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the upper press should be retracted.

Click the **Close** icon to close the dialog box.

Upper Press out time



Time [s]

Input the length of time for which the upper press should press out.

Speed [0.2–100%]

Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)

**Tip**

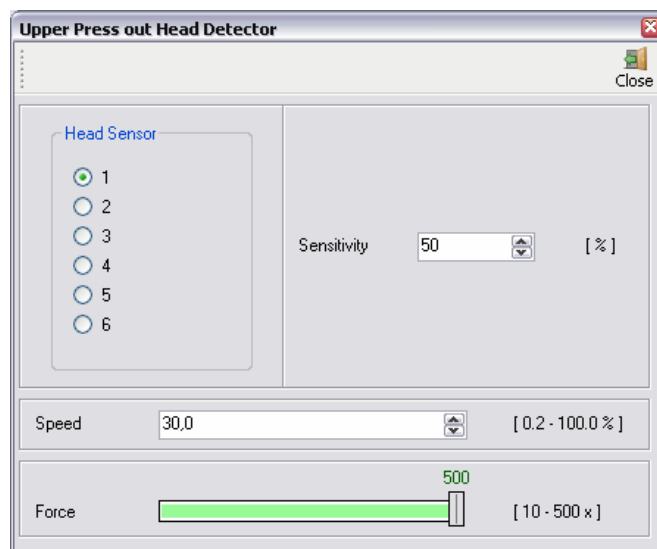
The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Upper Press out Head Detector

Selecting **Upper Press out Head Detector** means the upper press will extend until red cells are detected by the selected head.

Head Sensor - 1, Head Sensor - 2, Head Sensor - 3, Head Sensor - 4, Head Sensor - 5, Head Sensor - 6

Choose the head that should be used to detect red cells.

Sensitivity

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**
 The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

Speed [0.2–100%]

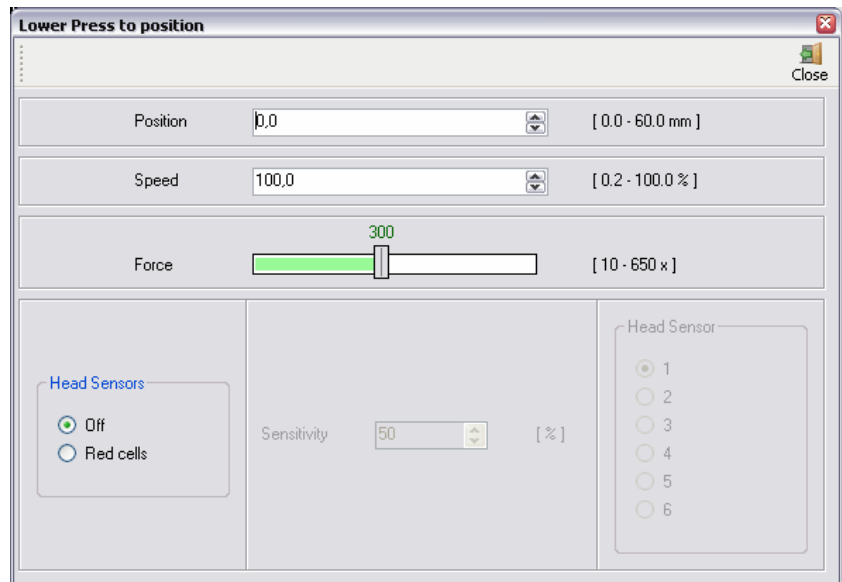
Specifies the speed with which the upper press should be extended.

Force [10–500]

Specifies the force the upper press should exert on the bag to press it out.

Click the **Close** icon to close the dialog box.

Lower Press to position



Position [0.0–60.0]

Specifies the press position to which the lower press should be extended.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force that the lower press should exert on the bag.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Lower Press out delta

Delta [0.0–60.0]

Specifies the way in which the lower press extends to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

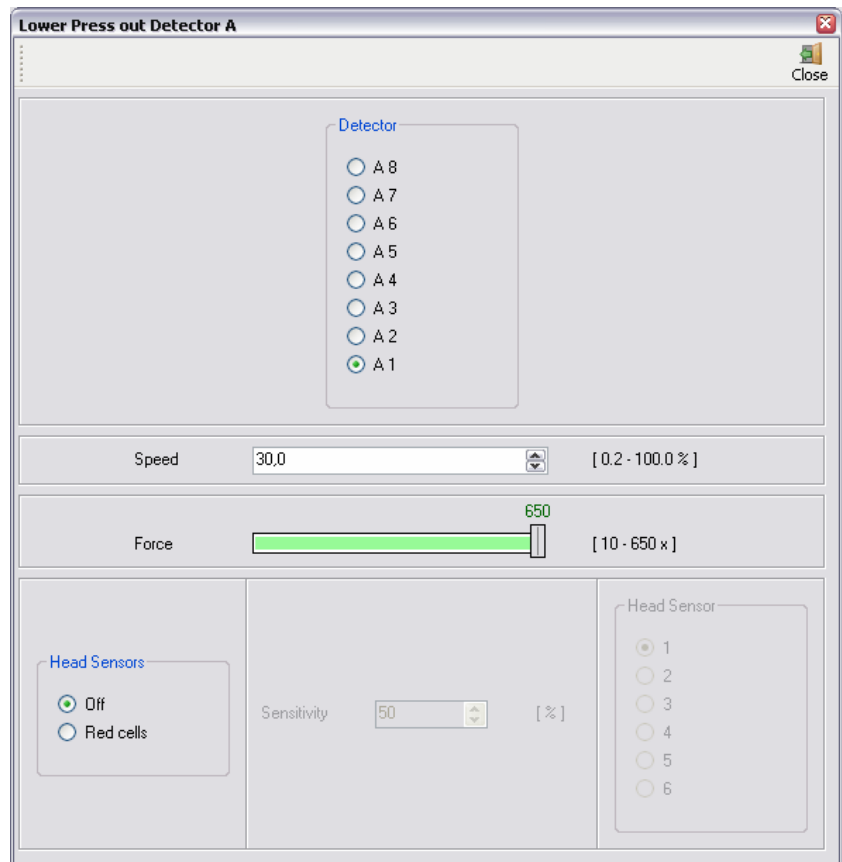
The setting 35% is roughly equivalent to the value B on the **CompoMat G4**
 The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

**Lower Press out
 Detector A**



Detector A1, Detector A2, Detector A3, Detector A4, Detector A5, Detector A6, Detector A7, Detector A8

Choose the detector level to which the lower press should press out.

The lower press stops once it has reached the selected level.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)

**Tip**

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Lower Press out weight
Weight [g]

Input the weight that the lower press should press out.

Scale - PLS scale/RCC scale

Select the scales with which the predefined weight is to be measured.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

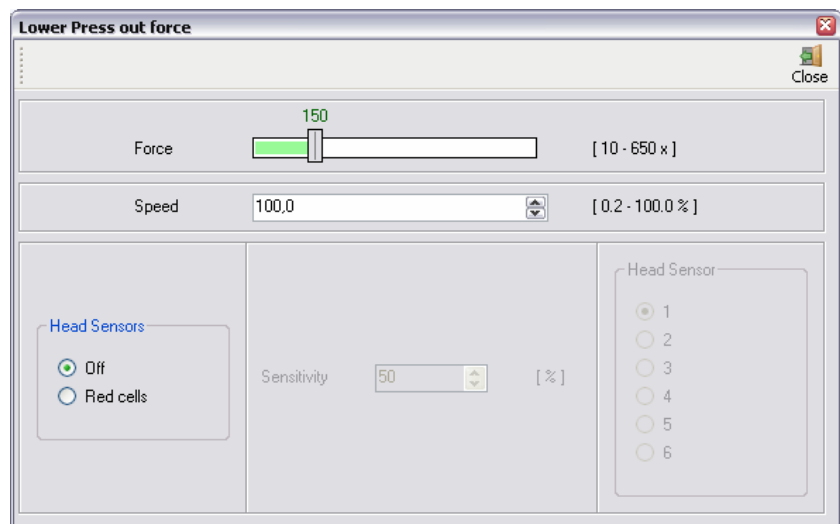
The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Lower Press out force



Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Lower Press in delta

Delta [0.0–60.0]

Specifies the way in which the lower press retracts to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the lower press should be retracted.

Click the **Close** icon to close the dialog box.

Lower Press out time

Time [s]

Input the length of time for which the lower press should press out.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

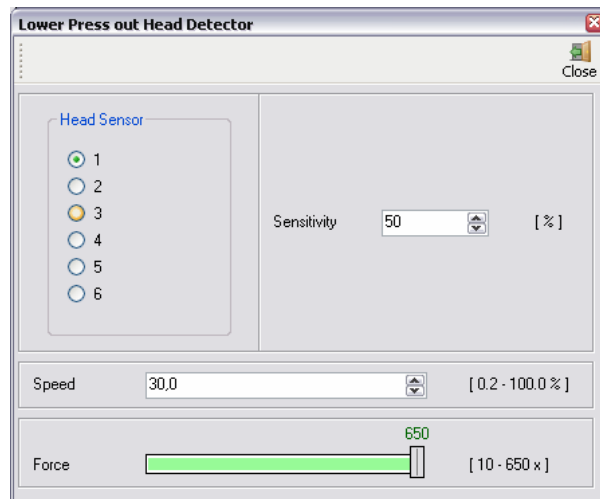
The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

-
- A lower value corresponds to greater numbers of red cells in plasma.
 - A higher value corresponds to fewer red cells in plasma.

The lower press stops once it has reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Lower Press out Head Detector



Selecting **Lower Press out Head Detector** means the lower press will extend until red cells are detected by the selected head.

Head Sensor - 1, Head Sensor - 2, Head Sensor - 3, Head Sensor - 4, Head Sensor - 5, Head Sensor - 6

Choose the head that should be used to detect red cells.

Sensitivity

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

Speed [0.2–100%]

Specifies the speed with which the lower press should be extended.

Force [10–650]

Specifies the force the lower press should exert on the bag to press it out.

Click the **Close** icon to close the dialog box.

Both Presses to position

Position [0.0–60.0]

Specifies the press position to which both presses should be extended.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

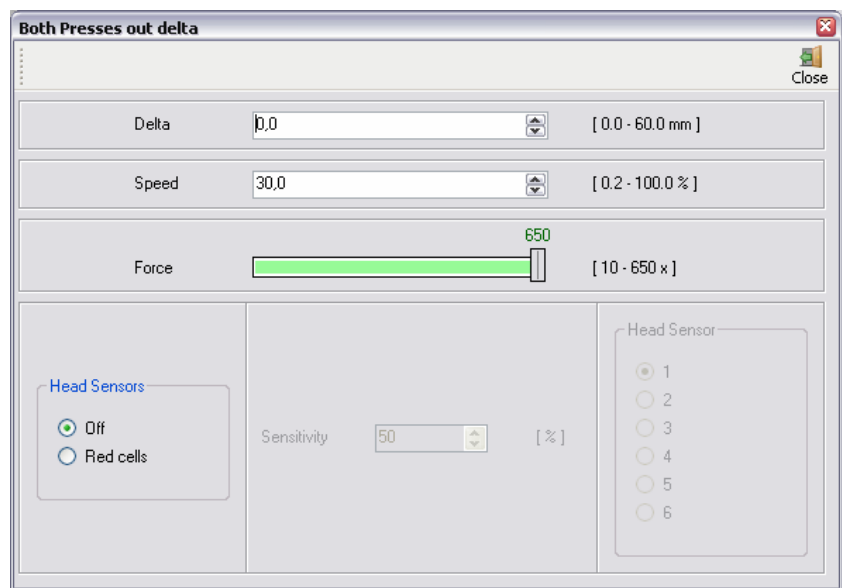
The setting 35% is roughly equivalent to the value B on the **CompoMat G4**
 The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Both Presses out delta



Delta [0.0–60.0]

Specifies the way in which both presses extend to reach the current position.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Both Presses out Detector A

Detector A1, Detector A2, Detector A3, Detector A4, Detector A5, Detector A6, Detector A7, Detector A8

Choose the detector level to which both presses should press out.

The upper and lower presses stop once they have reached the selected level.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Flow monitoring

If flow monitoring is activated, it is checked whether an increase in weight occurs on the plasma scales.

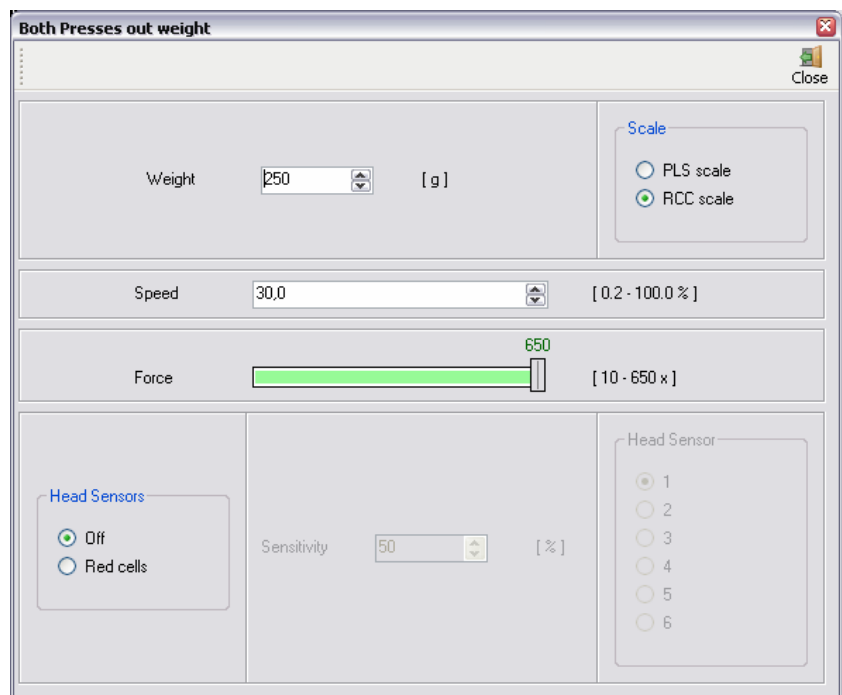
This monitoring is useful on Top and Bottom systems if the plasma drain line and the RCC drain line are open at the same time.

A kinked plasma drain line would cause all the product to be pumped to the RCC bag.

Such a fault would be detected by the monitoring.

Click the **Close** icon to close the dialog box.

Both Presses out weight



Weight [g]

Input the weight that both presses should press out.

Scale - PLS scale/RCC scale

Select the scales with which the predefined weight is to be measured.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)

**Tip**

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

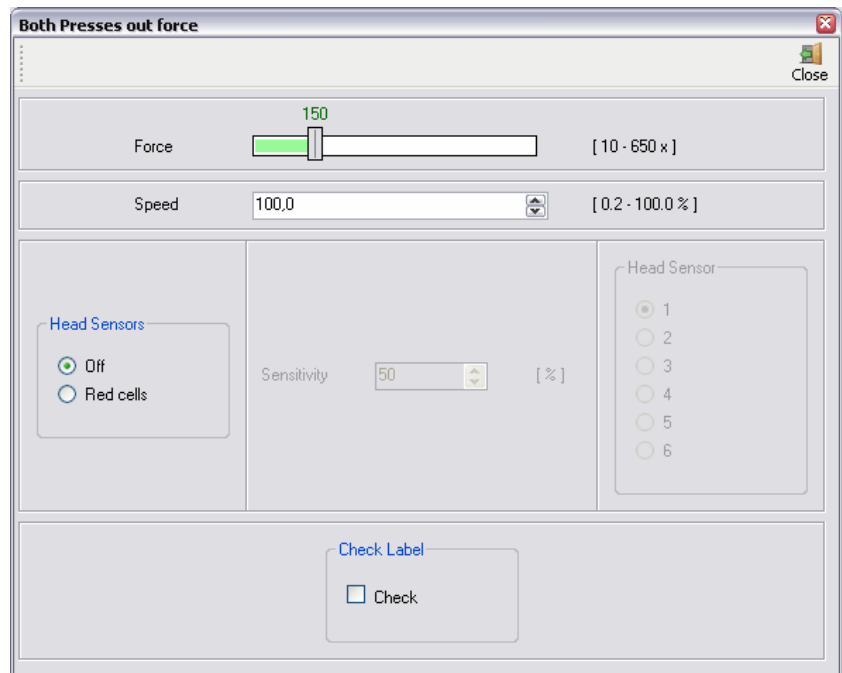
- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Close

Click the **Close** icon to close the dialog box.

Both Presses out force



Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Label checking

By activating the label checking the device detects whether the user has hung the primary bag incorrectly.

If detector A is covered by the label, the CompoMat G5 outputs a corresponding message.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Both Presses in delta

Delta [0.0–60.0]

Specifies the way in which both presses extend to reach the current position.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Click the **Close** icon to close the dialog box.

Both Presses out time

Time [s]

Input the length of time for which both presses should press out.

Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Red cells

By selecting the **Red cells** option and setting the **Sensitivity**, a head can be selected that should close when it detects red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

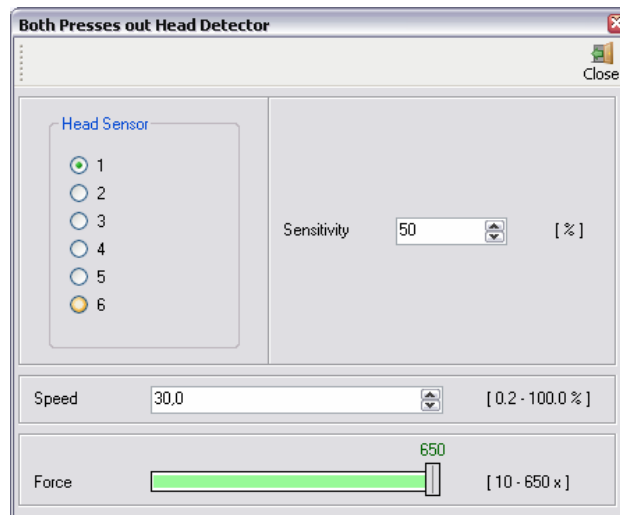
The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

The upper and lower presses stop once they have reached the set sensitivity level.

Click the **Close** icon to close the dialog box.

Both Presses out Head Detector



Selecting **Both Presses out Head Detector** means that both presses will extend until red cells are detected by the selected head.

Head Sensor - 1, Head Sensor - 2, Head Sensor - 3, Head Sensor - 4, Head Sensor - 5, Head Sensor - 6

Choose the head that should be used to detect red cells.

Specify **Sensitivity** (only when selecting **Red cells**)



Tip

The setting 35% is roughly equivalent to the value B on the **CompoMat G4**

The setting 70% is roughly equivalent to the value BF on the **CompoMat G4**

- A lower value corresponds to greater numbers of red cells in plasma.
- A higher value corresponds to fewer red cells in plasma.

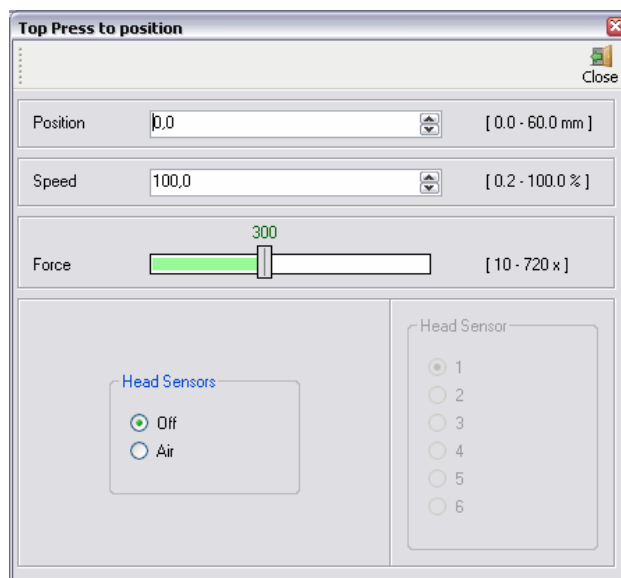
Speed [0.2–100%]

Specifies the speed with which both presses should be extended.

Force [10–650]

Specifies the force that both presses should exert on the bag to press it out.

Click the **Close** icon to close the dialog box.

Top Press to position**Position [0.0–60.0]**

Specifies the press position to which the top press should move.

Speed [0.2–100%]

Specifies the speed with which the top press should be closed.

Force [10–720]

Specifies the force that the top press should exert on the bag.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

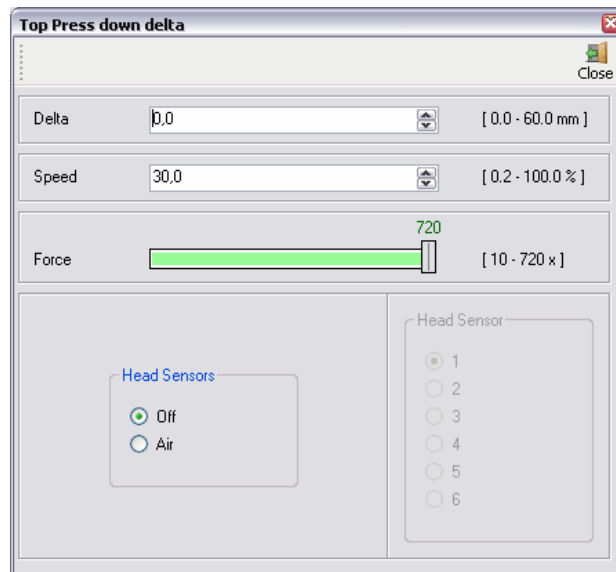
Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.

Click the **Close** icon to close the dialog box.

Top Press down delta



Delta [0.0–60.0]

Specifies the way in which the top press closes to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the top press should be closed.

Force [10–720]

Specifies the force that the top press should exert on the bag.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.

Click the **Close** icon to close the dialog box.

Top Press down weight

Weight [g]

Input the weight that the top press should press out.

Scale - PLS scale/RCC scale

Select the scales with which the predefined weight is to be measured.

Speed [0.2–100%]

Specifies the speed with which the top press should be closed.

Force [10–720]

Specifies the force the top press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

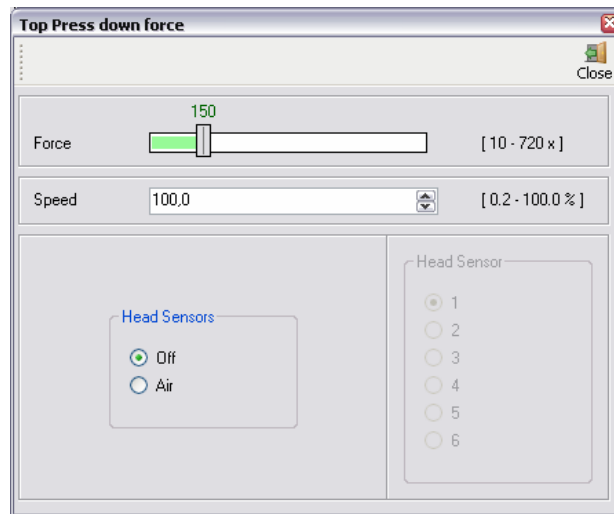
Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.

Click the **Close** icon to close the dialog box.

Top Press down force



Force [10–720]

Specifies the force the top press should exert on the bag to press it out.

Speed [0.2–100%]

Specifies the speed with which the top press should be extended.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

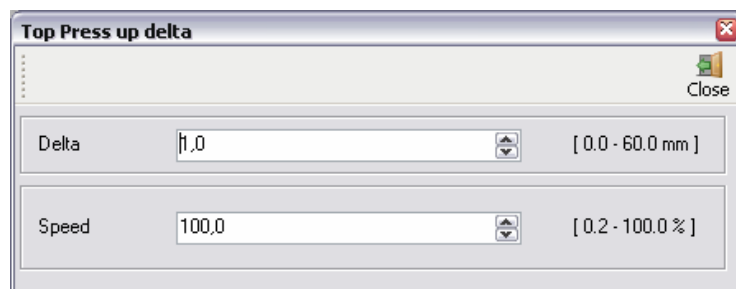
Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.

Click the **Close** icon to close the dialog box.

Top Press up delta



Delta [0.0–60.0]

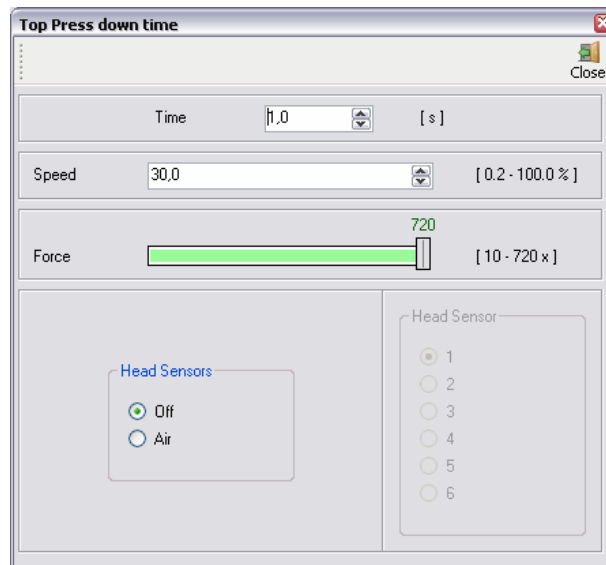
Specifies the way in which the top press retracts to reach the current position.

Speed [0.2–100%]

Specifies the speed with which the top press should be retracted.

Click the **Close** icon to close the dialog box.

Top Press down time



Time [s]

Input the length of time for which the top press should press out.

Speed [0.2–100%]

Specifies the speed with which the top press should be extended.

Force [10–720]

Specifies the force the top press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

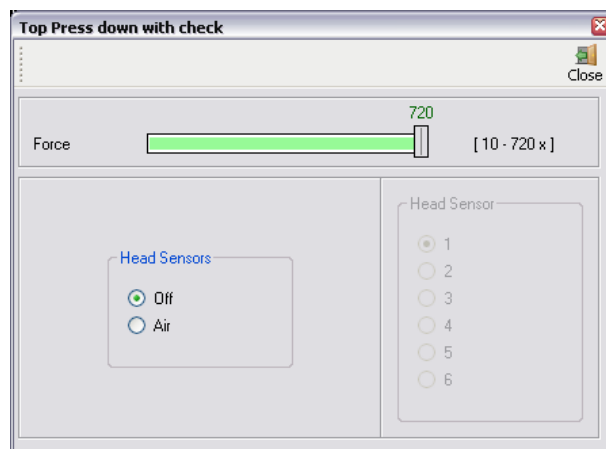
Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.

Click the **Close** icon to close the dialog box.

Top Press down with check



Force [10–720]

Specifies the force the top press should exert on the bag to press it out.

Head Sensors - Off

By selecting the **Head Sensors - Off** option, the head sensor signal will be ignored.

Head Sensors - Air

As soon as the selected **head sensor** detects air:

- the selected head closes;
- the top press stops moving.



Note

The **Top Press down with check** program step is time-monitored. If the inserted bag cannot be pressed out, then the error message **Inspect breaker on Top-Press** will be displayed.

Click the **Close** icon to close the dialog box.

Counter start / Counter stop

The **Counter start / Counter stop** function is not a direct program step as such. This function can be used to measure the time needed for program steps.



Note

The **Counter start / Counter stop** function may only be inserted once per program.

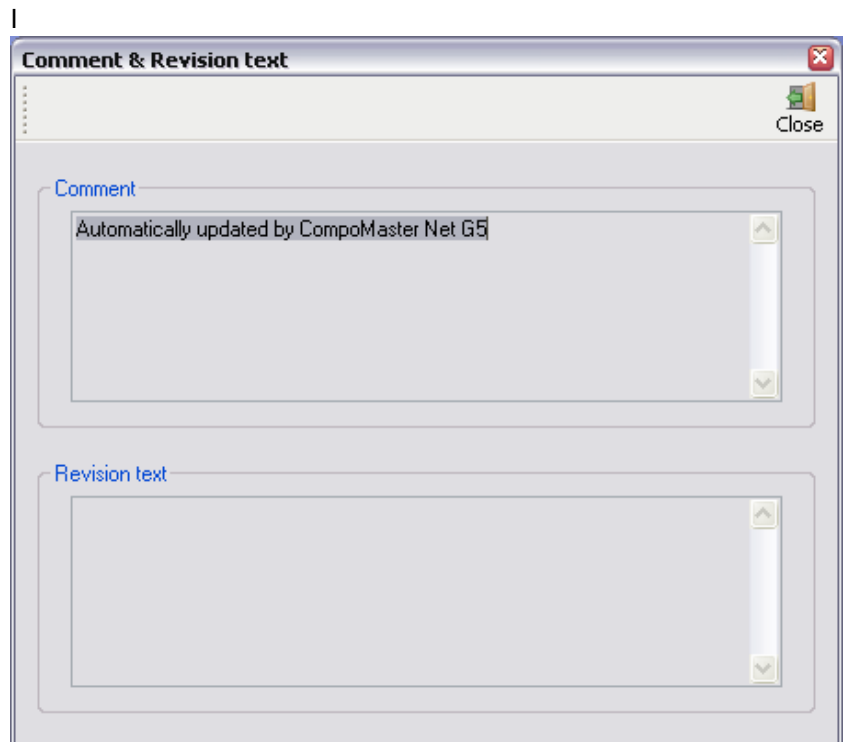
Start time, **Stop time** and **Difference** are shown in the **Process data** dialog box.

● Buttons in the Edit program dialog box

Info



Click the **Info** icon to open the following dialog box.



A textual description of the program can be entered into the **Comment** field.

Change information concerning program revisions can be entered into the **Revision text** field.

Click the **Close** icon to close the dialog box, the changes made are saved.

Edit



- Use the mouse to highlight the program step in the main program or sub-program.
- Click the **Edit step** button.

The parameters of the selected program step can be modified.

(see also **Selecting from available program steps** on page 27)

Delete



- Use the mouse to highlight the program step in the main program or sub-program.
- Click the **Delete step** button.

The selected program step will be deleted.

Insert program step



- Use the left mouse button to select the desired program step from the list of **Available program steps**;
- Use the mouse to highlight a step in the main program or sub-program.

- Click **Insert program step** (green right arrow).

The program step will be inserted above the selected step in the main program or sub-program.



Tip

Shortcut: use standard Windows **drag & drop** functionality.

- Use the mouse (left mouse button) to select the desired program step from the list of **Available program steps**.
- Keeping the mouse button pressed down, drag the selected program step to the desired position in the main program or sub-program.
- Release the mouse button.

Drag & drop functionality also works within the main program and sub-programs.



Note

Only program steps valid for the chosen position in the main program or sub-program can be inserted into this position.

Details / default values



Switch between **Details** and **Default values**



Note

The **Details** option should only be used by users with appropriate specialist knowledge.

Activate option to open and edit the step parameters for individual CompoMat G5.

Click the **Details** icon to display a slider which makes it possible to select the desired CompoMat G5.

Click the **Default values** icon to display the **default values**.

Print



Click the **Print** icon to open a screen preview with the main program and sub-program open.

The list displayed can then be printed.

Export



Click the **Export** icon to export the program that is open.

Save

Click the **Save** icon to saves all changes made.

Close

Click the **Close** icon to close the **Edit program** dialog box.

- **Main program list in the Edit program dialog box**

List of program steps for the main menu

- **Program information in the Edit program dialog box**

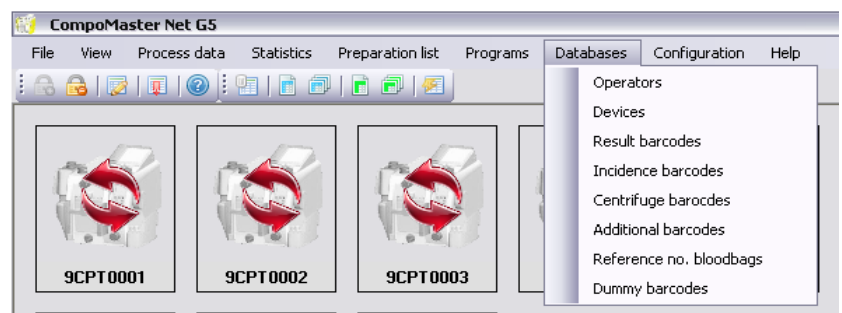
General information about the program:

- **Author** (Author of the program)
- **Date** (Program creation or modification date)
- **Time** (Program creation or modification time)
- **No.** (Program slot number)
- **Name** (Program name)
- **Number of bags** (Number of bags needed for the program)

- **Sub-program(s) list in the Edit program dialog box**

List of program steps for the sub-menu(s)

3.3.8 Databases



The **Databases** menu provides the following menu options:

- Operator
- Devices
- Result barcodes
- Incidence barcodes
- Centrifuge barcodes
- Additional barcodes
- Reference no. bloodbags
- Dummy barcodes

3.3.8.1 Databases / Operators

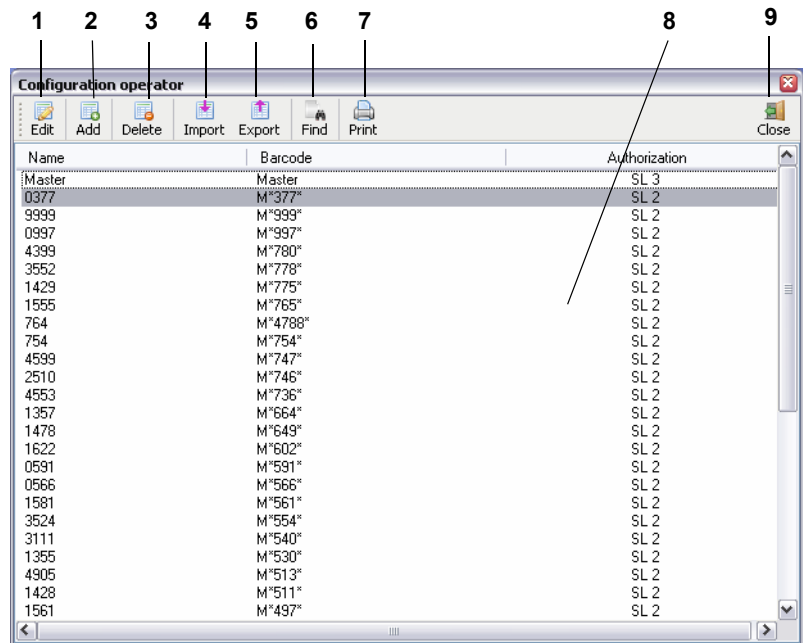


Note

Requirement for operation of the **Databases / Operators** menu is **authorization level SL3**

Operators are managed in the **Configuration operator** dialog box.

Configuration operator dialog box



1 Edit

Opens the dialog box for editing operator data

2 Add

Opens the dialog box for adding a new operator (name, barcode, authorization)

3 Delete

Deletes an existing operator barcode (name, barcode, authorization)

4 Import

Imports operators (name, barcode, authorization)

5 Export

Exports operators (name, barcode, authorization)

6 Find

Finds a specific operator

7 Print

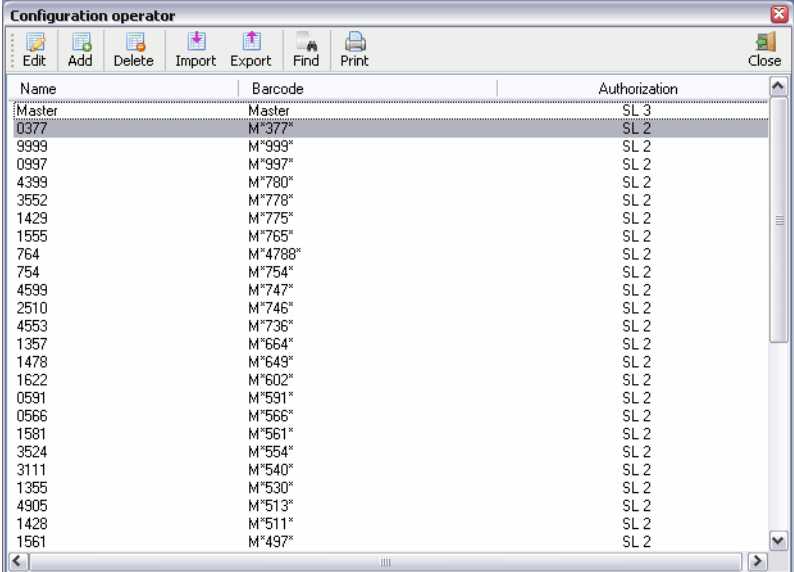
Prints a list with all operator data

8 Table

Shows all stored operators with name, barcode, authorization.

9 Close

Closes the dialog box.

● **Databases / Operators****Edit button**


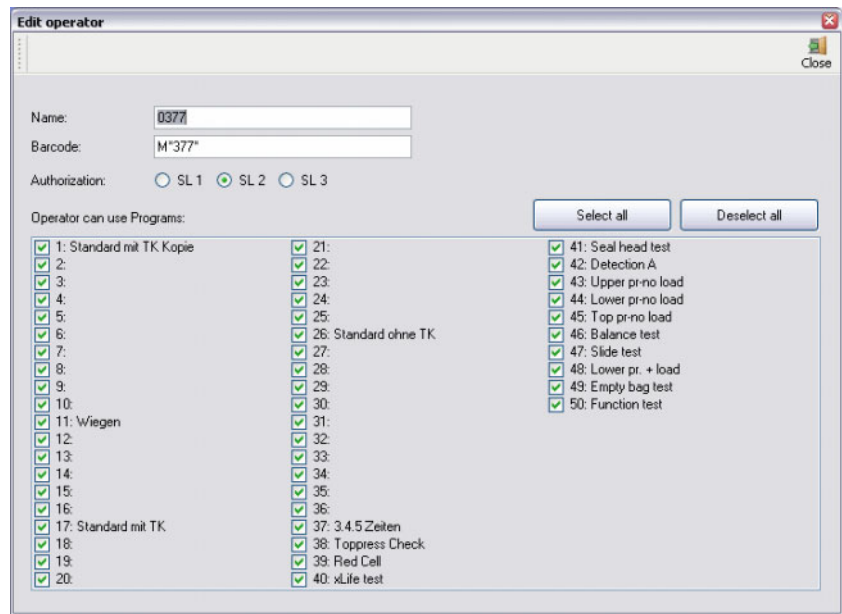
Name	Barcode	Authorization
Master	Master	SL 3
0977	M*377*	SL 2
9999	M*999*	SL 2
0997	M*997*	SL 2
4399	M*780*	SL 2
3552	M*778*	SL 2
1429	M*775*	SL 2
1555	M*765*	SL 2
764	M*4788*	SL 2
754	M*754*	SL 2
4599	M*747*	SL 2
2510	M*746*	SL 2
4553	M*736*	SL 2
1357	M*664*	SL 2
1478	M*649*	SL 2
1622	M*602*	SL 2
0591	M*591*	SL 2
0566	M*566*	SL 2
1581	M*561*	SL 2
3524	M*554*	SL 2
3111	M*540*	SL 2
1355	M*530*	SL 2
4905	M*513*	SL 2
1428	M*511*	SL 2
1561	M*497*	SL 2

- Highlight an operator by clicking in the table using the mouse.
- Click the **Edit** button.

**Tip**

Shortcut: double-click the line containing the operator you are interested in.

The dialog box shown below opens.



Name The name of the selected operator can be changed in the **Name** field.

Barcode The barcode of the selected operator can be changed in the **Barcode** field.

Authorization The security level (SL x) of the selected operator can be changed by using the radio buttons **SL1**; **SL2**; **SL3**.

Operator can use Programs Program authorization for the selected operator can be restricted or extended within the **Operator can use Programs** field.

The selected operator may only execute the programs selected in the **Operator can use Programs** field.



Tip None or all programs can be selected by a **single** click using the **Select all** or **Deselect all** buttons.

Authorization levels CompoMaster Net G5 has a three-level security system. The authorization level is specified when creating an operator and can also be changed in the database dialog available in the **Operators / Edit** menu.

- **SL 1**
 - Not registered, is not authorized to operate CompoMaster Net G5.
 - Can operate CompoMat G5 for approved programs.
- **SL 2**
 - Logged in with access restricted to individual menu options/dialog boxes.
 - Can operate CompoMat G5 for approved programs.

- **SL 3**
 - Logged in with full access to CompoMaster Net G5.
 - Fully authorized to configure CompoMaster Net G5.
 - Can operate CompoMat G5 for approved programs.

3.3.9 Authorization levels for CompoMaster Net G5

Menu	Menu command	SL 1	SL 2	SL 3
File	Log on	X	X	X
	Log out	X	X	X
	Exit	–	X	X
Process data		(X)	X	X
Statistics	CompoMat G5 day report	–	X	X
	CompoMat G5 week report	–	X	X
	Production day report	–	X	X
	Production week report	–	X	X
	Special processes report	–	X	X
Preparation list		–	X	X
Programs		–	X	X
Databases	Operator	–	–	X
	Devices	–	–	X
	Result barcode settings	–	–	X
	Incidence barcode	–	–	X
	Centrifuge barcodes	–	–	X
	Additional barcodes	–	–	X
	Reference no. bloodbags	–	–	X
	Dummy barcodes	–	–	X
Configuration	Auto logout	–	–	X
	Start of the day	–	–	X
	Program lock	–	–	X
	Barcode scans / Data handling	–	–	X
	Directories / Datamanagement	–	–	X
	CompoMaster Net G5 language	–	–	X
	Barcode definitions	–	–	X
	CompoMat G5 parameter	–	–	X
Help	Help contents	X	X	X
	About CompoMaster Net G5	X	X	X

X = Access
(X) = Access only to the last process
– = No access

● Databases / Operators

Add button

– Click the **Add** button.

The dialog box shown below opens.

The 'Add operator' dialog box includes the following elements:

- Name:** A text input field.
- Barcode:** A text input field.
- Authorization:** Radio buttons for SL 1, SL 2 (selected), and SL 3.
- Operator can use Programs:** A list of 50 programs, each with a checked checkbox. The programs are:

1: Standard mit TK Kopie	21:	41: Seal head test
2:	22:	42: Detection A
3:	23:	43: Upper pr-no load
4:	24:	44: Lower pr-no load
5:	25:	45: Top pr-no load
6:	26: Standard ohne TK	46: Balance test
7:	27:	47: Slide test
8:	28:	48: Lower pr. + load
9:	29:	49: Empty bag test
10:	30:	50: Function test
11: Wiegen	31:	
12:	32:	
13:	33:	
14:	34:	
15:	35:	
16:	36:	
17: Standard mit TK	37: 3.4.5 Zeilen	
18:	38: Toppress Check	
19:	39: Red Cell	
20:	40: xLife test	
- Select all** and **Deselect all** buttons.

Name

The name of the new operator has to be entered in the **Name** field.

Barcode

The barcode of the new operator has to be entered in the **Barcode** field.

Authorization

The security level (SLX) of the new operator has to be entered using the **Authorization** radio buttons.

Operator can use Programs

The programs for which the new operator is authorized have to be selected by clicking in the **Operator can use Programs** field.

The operator can only use selected programs.



Tip

None or all programs can be selected by clicking a **single** button using the **Select all** or **Deselect all** buttons.

Closing and saving

Click the **Close** icon to trigger the display of the following safety prompt.

The 'Save' dialog box contains the following elements:

- Save** title bar.
- A question mark icon.
- Text: "Do you want to save the changed data?"
- Yes** and **No** buttons.

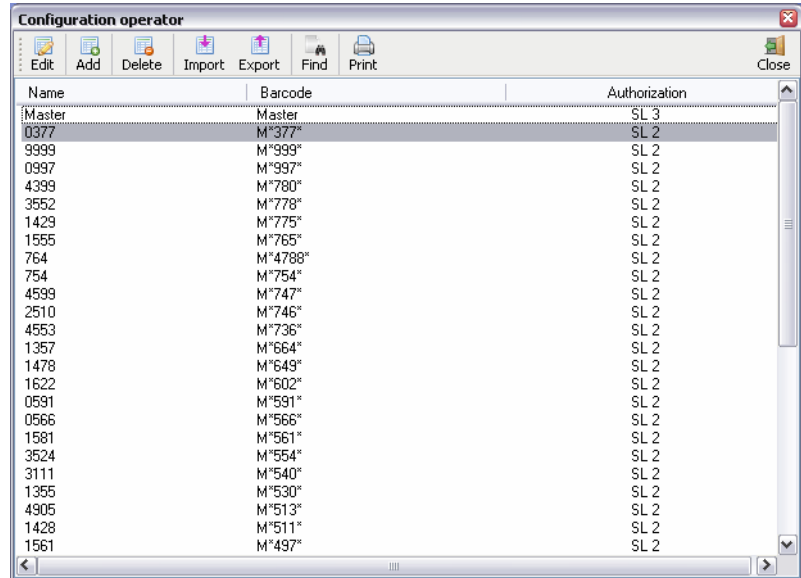
Click the **Yes** button to save the newly-created operator.

or

Click the **No** button to discard all input made.

● **Databases / Operators**

Delete button



- Highlight an operator by clicking in the table using the mouse.
- Click the **Delete** button.

The selected operator is deleted after confirming a safety prompt.

● **Databases / Operators**

Import button

- Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **operator** import files is ***.oxp**

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

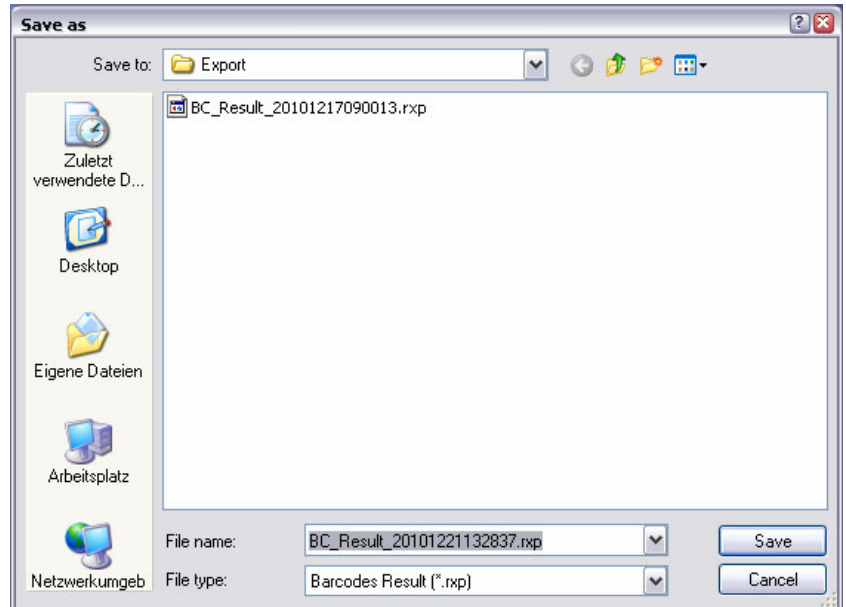
The existing barcodes are replaced with the imported barcodes.

- **Databases / Operators**

- Export button**

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **operator** export file is ***.oxp**

- Enter a name for the export file in the **File name** data field or accept default name.

- Click **Save** button.

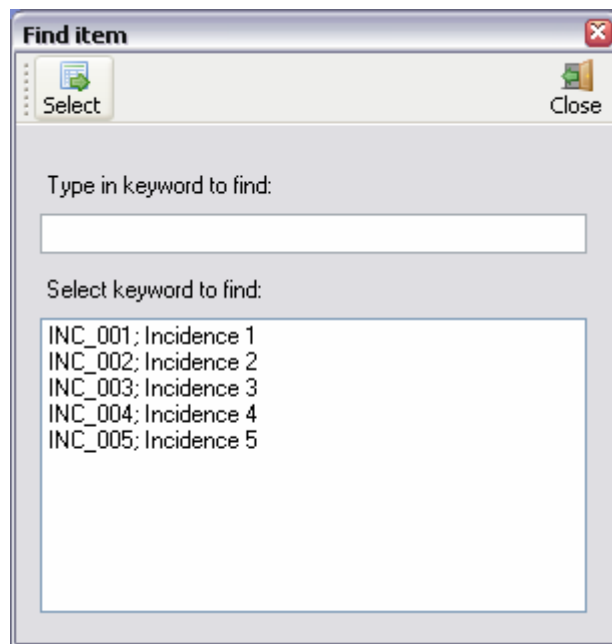
The operators are exported.

- **Databases / Operators**

- Find button**

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

- In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration operator** dialog box.

- **Databases / Operators**

- Print button**

- Click the **Print** button.

- A Windows printer selection window opens.

- Select the desired printer.
 - Click **OK** button.

- A print preview is opened.

- Click printer icon.

- The list is printed on the selected printer.

- **Databases / Operators**

- Close button**

- Click the **Close** icon to close the **Configuration operator** dialog box.

3.3.9.1 Databases / Devices



Configuration devices dialog box

Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

No.	Serial no.	Name	IP-Address	Screen position
1	9CPT0001	9CPT0001	1-1	
2	9CPT0002	9CPT0002	1-2	
3	9CPT0003	9CPT0003	1-3	
4	9CPT0004	9CPT0004	1-4	
5	9CPT0005	9CPT0005	1-5	
6	9CPT0006	9CPT0006	1-6	
7	9CPT0007	9CPT0007	2-1	
8	9CPT0008	9CPT0008	2-2	
9	9CPT0009	9CPT0009	2-3	

1 Edit

Opens the dialog box for editing device settings

2 Add

Opens the dialog box for adding a new device.

3 Delete

Deletes a created device.

4 Table

Shows a table of all created devices and device information.

5 Close

Closes the dialog box.

- **Databases / Devices**

Edit button

Highlight a device by clicking in the table using the mouse.

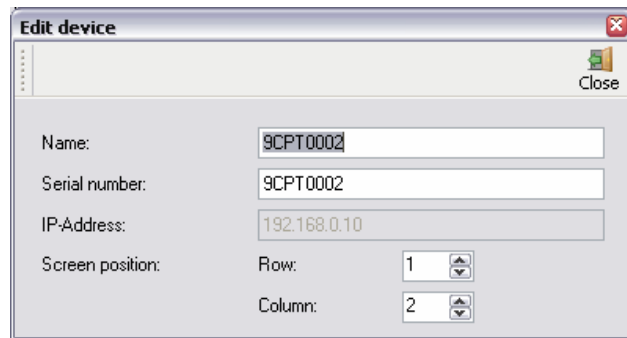
- Click the **Edit** button.



Tip

Shortcut: double-click the desired device line.

The dialog box shown below opens.



Name:

The name of the CompoMat G5 can be edited here. This name is also shown in the bitmap of the main window.



Note

Rules for the **Name** entry:

- The entry may be up to 8 characters in length.
 - The entry must not contain any spaces.
 - The entry must not contain any special characters.
-

Serial number:

The serial number of the CompoMat G5 can be edited here.

The serial number is located on the identification plate of the CompoMat G5 (rear of the device). It must be entered exactly.



Note

Rules for the **Serial number** entry:

- A serial number must be entered exactly.
 - The entry is case-sensitive.
 - The entry must not contain any spaces.
 - The entry must not contain any special characters.
-

IP-Address:

Displays the IP address of the CompoMat G5. The IP address cannot be modified using this dialog.

Screen position Row / Column:

Here, you can edit the desired position of the CompoMat G5 on the screen (see chapter 3.2 , page 1).

Click the **Close** icon to close the dialog box and add the new device to the list.



Note

Changes will only be stored if you accept to do so by clicking **Yes** in the following dialog.

● **Databases / Devices**

Add button

- Click the **Add** button.
-


Tip

Shortcut: double-click the desired device line.

The dialog box shown below opens.

Name:

The CompoMat G5 name must be entered here. This name is also shown in the bitmap of the main window and in the process data.


Note

Rules for the **Name** entry:

- The entry may be up to 8 characters in length.
 - The entry must not contain any spaces.
 - The entry must not contain any special characters.
-

Serial number:

The serial number of the CompoMat G5 must be entered here.

The serial number is located on the identification plate of the CompoMat G5 (rear of the device). It must be entered exactly.


Note

Rules for the **Serial number** entry:

- A serial number must be entered exactly.
 - The entry is case-sensitive.
 - The entry must not contain any spaces.
 - The entry must not contain any special characters.
-

IP-Address:

Displays the IP address of the CompoMat G5. The IP address cannot be modified using this dialog.

Screen position Row / Column:

Here, you must specify the desired position of the CompoMat G5 on the screen.

See **Main window (overview)** on page 1.

Click the **Close** icon to close the dialog box.



Note

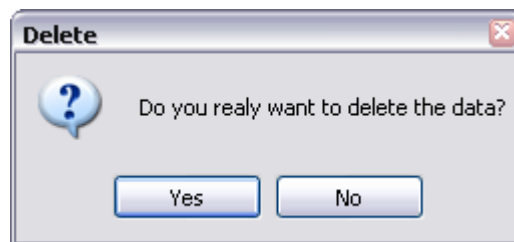
The new device is only saved once you click the **Save** icon in the **Configuration devices** dialog box.

● **Databases / Devices**

Delete button

Highlight a device by clicking on it in the table.

- Click the **Delete** button.



The selected device is deleted after confirming a safety prompt.

● **Databases / Devices**

Close button

Click the **Close** icon to close the **Configuration devices** dialog box.



Note

Any unsaved changes can be saved by confirming a safety prompt.

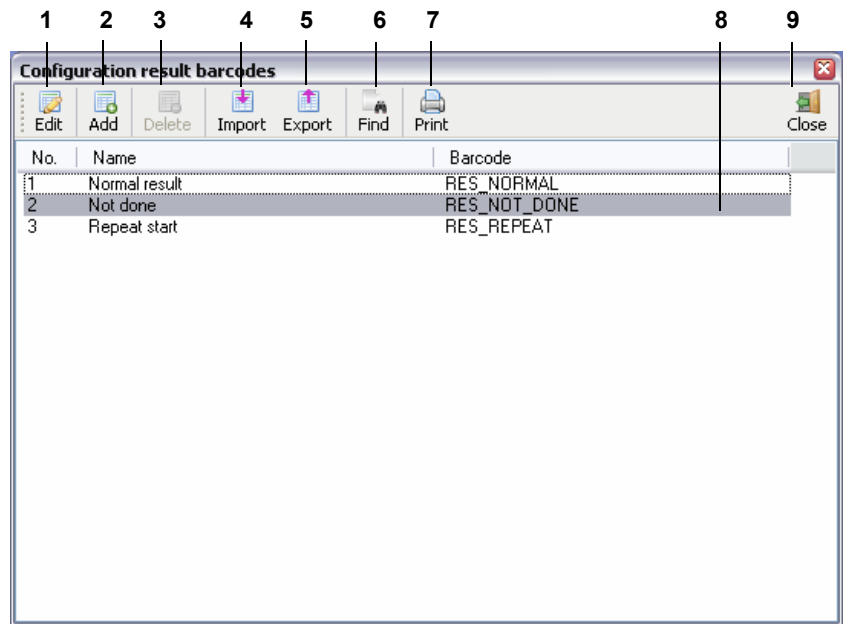
3.3.9.2 Databases / Result barcodes



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration result barcodes dialog box



1 Edit

Opens the dialog box for editing result barcodes

2 Add

Opens the dialog box for adding a new result barcode

3 Delete

Deletes a created result barcode

4 Import

Imports a created result barcode

5 Export

Exports a created result barcode

6 Find

Finds a created result barcode

7 Print

Prints a list with all result barcodes created

8 Table

Shows all created result barcodes

9 Close

Closes the dialog box

● Databases / Result barcodes

Edit button

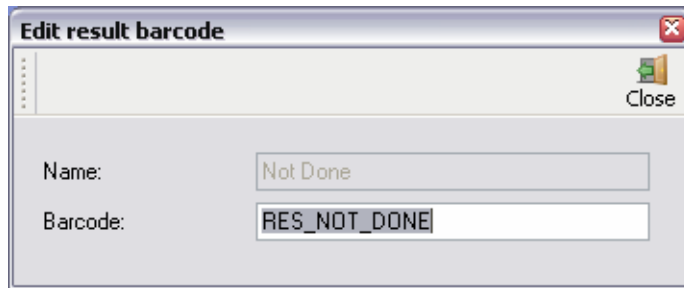
- Highlight a barcode by clicking in the table using the mouse
- Click the **Edit** button

The dialog box shown below opens.



Note

The names of barcodes nos. **1**; **2** and **3** may not be modified.



The barcode name and/or the barcode can be changed.

Click the **Close** icon to close the dialog box.

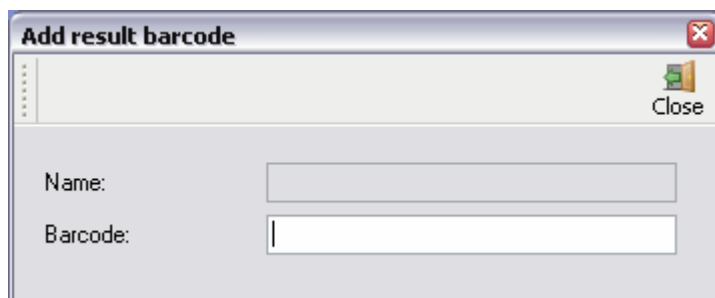
Changes are saved after confirming a safety prompt.

- **Databases / Result barcodes**

- Add button**

- Click the **Add** button.

- The dialog box shown below opens.



- Enter the name of the barcode in the **Name** field.

- Enter the barcode in the **Barcode** field.

- Click the **Close** button.

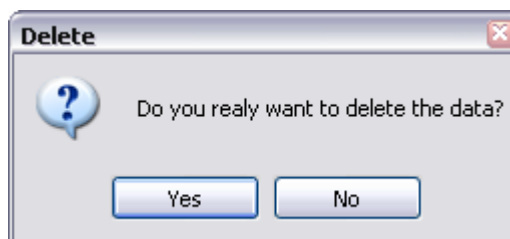
- The created barcode is saved after confirming a safety prompt.

- **Databases / Result barcodes**

- Delete button**

- Highlight a barcode by clicking in the table using the mouse.

- Click the **Delete** button.



- The highlighted barcode is deleted after confirming the safety prompt.

- **Databases / Result barcodes**

- Import button**

- Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **result barcode** import files is ***.rxp**
-

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

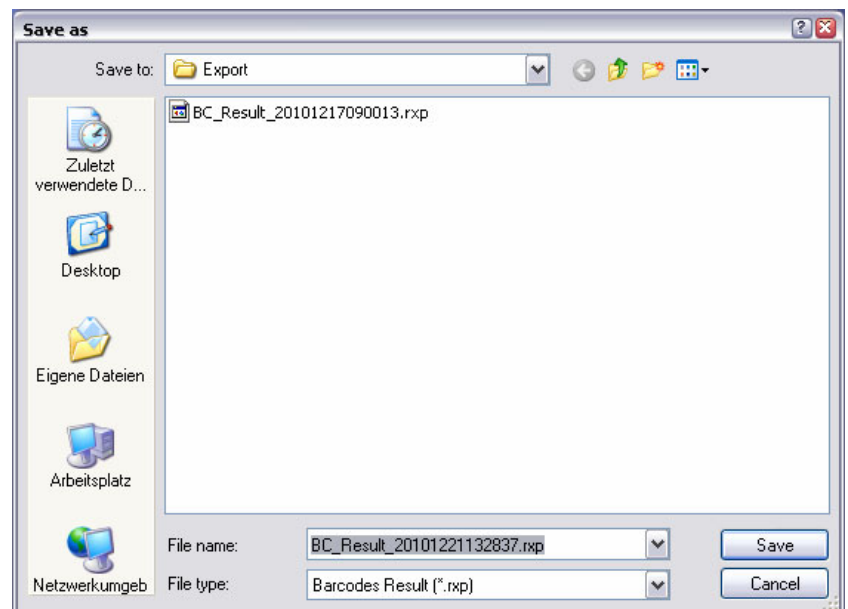
The existing barcodes are replaced with the imported barcodes.

- **Databases / Result barcodes**

- Export button**

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **result code** export file is ***.rxp**

- Enter a name for the export file in the **File name** data field or accept default name.
- Click **Save** button.

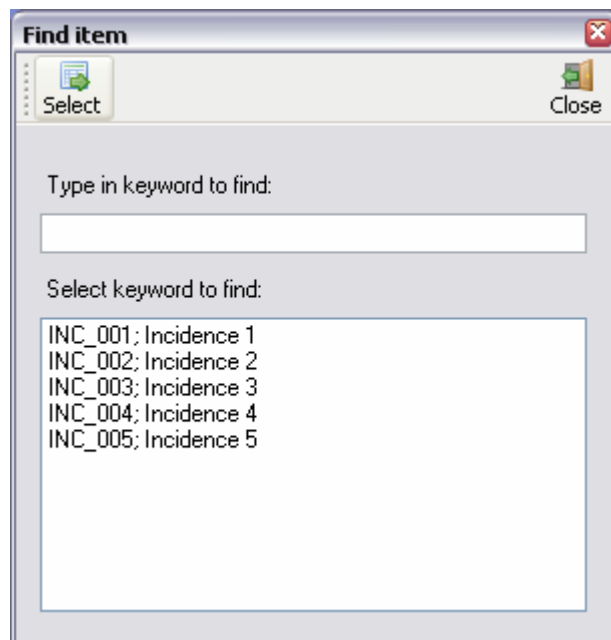
The result barcodes are exported.

● **Databases / Result barcodes**

Find button

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration result barcodes** dialog box.

● **Databases / Result barcodes**

Print button

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

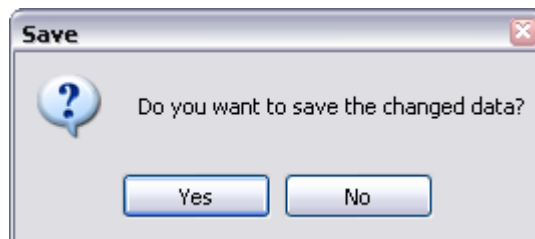
- Click printer icon.

The list is printed on the selected printer.

● Databases / Result barcodes

Close button

Click the **Close** icon to trigger the display of the following safety prompt.



Click the **Yes** button to save all changes made.

or

Click the **No** button to discard all input made.

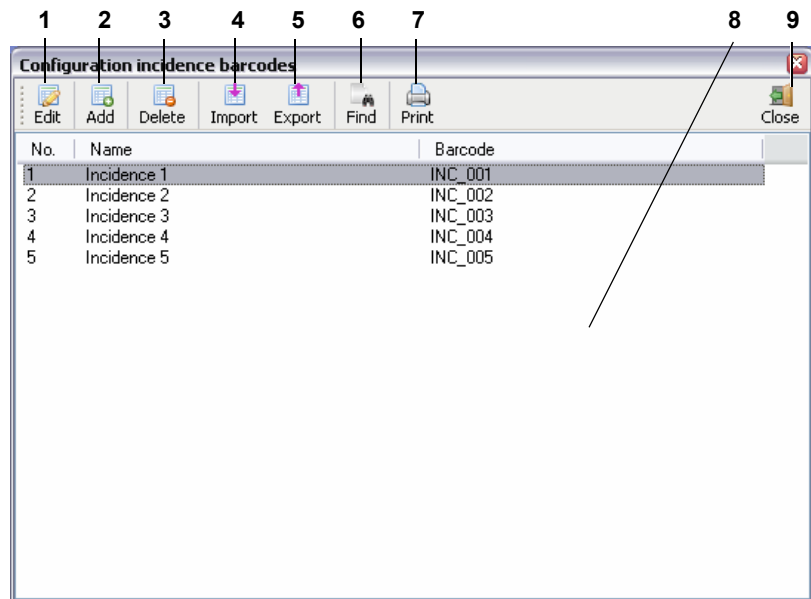
3.3.9.3 Databases / Incidence barcodes



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration incidence barcodes dialog box

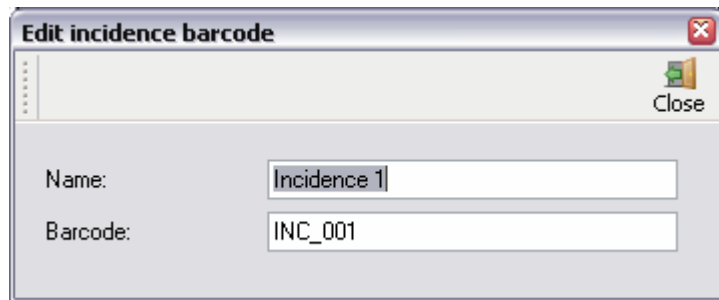


- 1 Edit**
Opens the dialog box for editing incidence barcodes
- 2 Add**
Opens the dialog box for adding a new incidence barcode
- 3 Delete**
Deletes a created incidence barcode
- 4 Import**
Imports a created incidence barcode
- 5 Export**
Exports a created incidence barcode
- 6 Find**
Finds a created incidence barcode
- 7 Print**
Prints a list with all incidence barcodes created
- 8 Table**
Shows all created incidence barcodes
- 9 Close**
Closes the dialog box

● Databases / Incidence barcodes

Edit button

- Highlight a barcode by clicking in the table using the mouse
 - Click the **Edit** button
- The dialog box shown below opens.



The barcode name and/or the barcode can be changed.

Click the **Close** icon to close the dialog box.

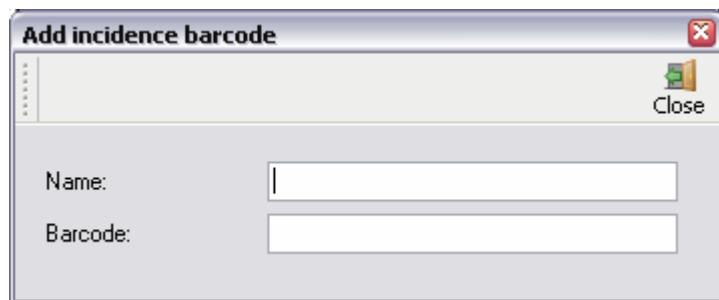
Changes are saved after confirming a safety prompt.

- **Databases / Incidence barcodes**

- **Add button**

- Click the **Add** button.

- The dialog box shown below opens.



- Enter the name of the barcode in the **Name** field.

- Enter the barcode in the **Barcode** field.

- Click the **Close** button.

- The created barcode is saved after confirming a safety prompt.

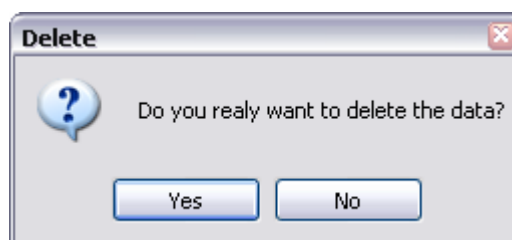
- **Databases / Incidence barcodes**

- **Delete button**

- Highlight a barcode by clicking in the table using the mouse.

- Click the **Delete** button.

- The dialog box shown below opens.



- Click the **Yes** button.

The highlighted barcode is deleted after confirming the safety prompt.

- **Databases / Incidence barcodes**

- Import button**

- Click the **Import** button.

- A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **incidence barcode** import files is ***.ixp**
-

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

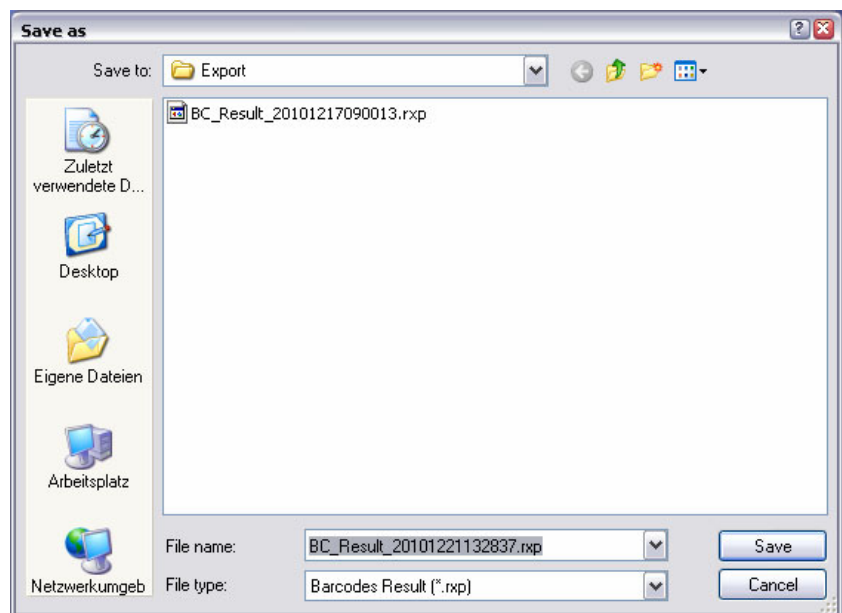
The existing barcodes are replaced with the imported barcodes.

- **Databases / Incidence barcodes**

- Export button**

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **incidence barcode** export file is ***.ixp**
-
- Enter a name for the export file in the **File name** data field or accept default name.
 - Click **Save** button.

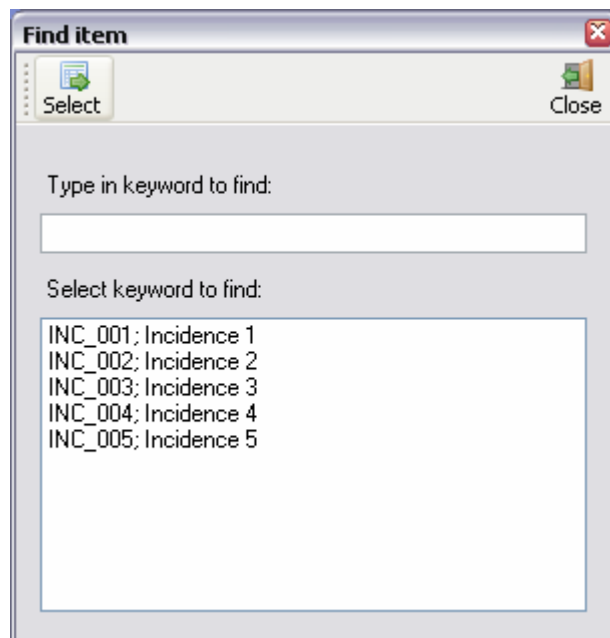
The incidence barcodes are exported.

● Databases / Incidence barcodes

Find button

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

- In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration incidence barcodes** dialog box.

● Databases / Incidence barcodes

Print button

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

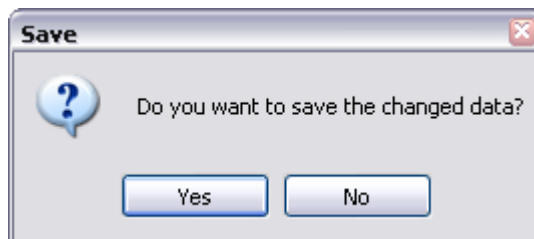
- Click printer icon.

The list is printed on the selected printer.

● **Databases / Incidence barcodes**

Close button

Click the **Close** icon to trigger the display of the following safety prompt.



Click the **Yes** button to save all changes made.

or

Click the **No** button to discard all input made.

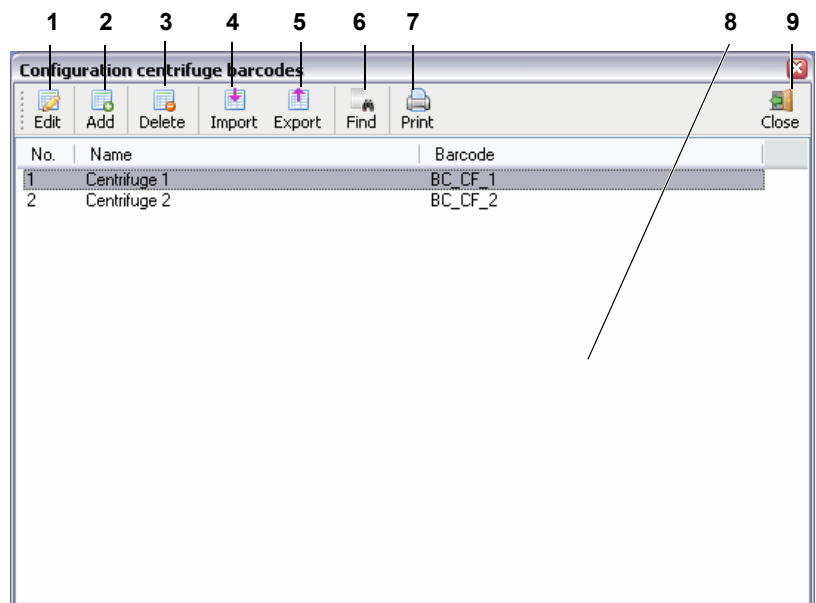
3.3.9.4 Databases / Centrifuge barcodes



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration centrifuge barcodes dialog box



1 Edit

Opens the dialog box for editing centrifuge barcodes.

2 Add

Opens the dialog box for adding a new centrifuge barcode.

3 Delete

Deletes a stored centrifuge barcode

4 Import

Imports a stored centrifuge barcode

5 Export

Exports a stored centrifuge barcode

6 Find

Finds a stored centrifuge barcode

7 Print

Prints a list with all centrifuge barcodes created

8 Table

Shows all stored centrifuge barcodes

9 Close

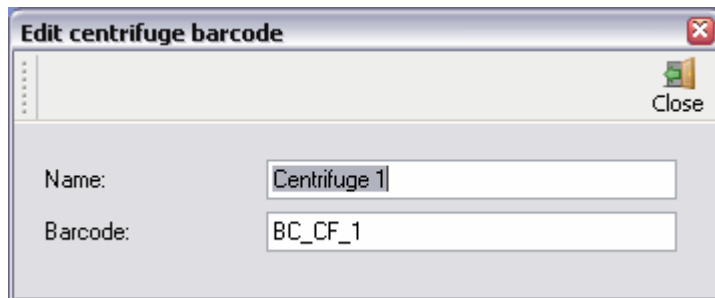
Closes the dialog box

● Databases / Centrifuge barcodes

Edit button

- Highlight a barcode by clicking on it in the table.
- Click the **Edit** button;

The dialog box shown below opens.



The barcode name and/or the barcode can be changed.

Click the **Close** icon to close the dialog box.

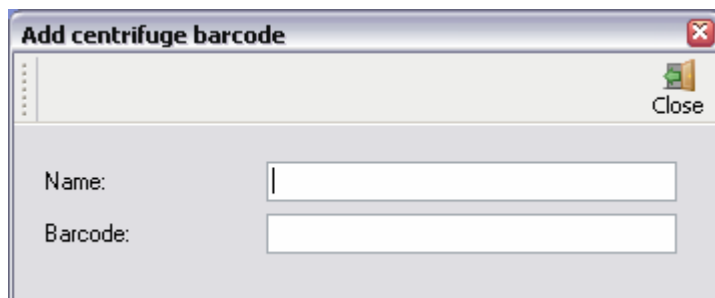
Changes are saved after confirming a safety prompt.

- **Databases / Centrifuge barcodes**

- Add button**

- Click the **Add** button.

- The dialog box shown below opens.



- Enter the name of the barcode in the **Name** field;

- Enter the barcode in the **Barcode** field.

- Click the **Close** button.

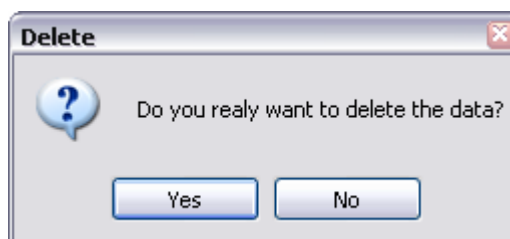
- The created barcode is saved after confirming a safety prompt.

- **Databases / Centrifuge barcodes**

- Delete button**

- Highlight a barcode by clicking on it in the table.

- Click the **Delete** button.



- The highlighted barcode is deleted after confirming the safety prompt.

- **Databases / Centrifuge barcodes**

- Import button**

- Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **centrifuge barcode** import file is ***.cxp**
-

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

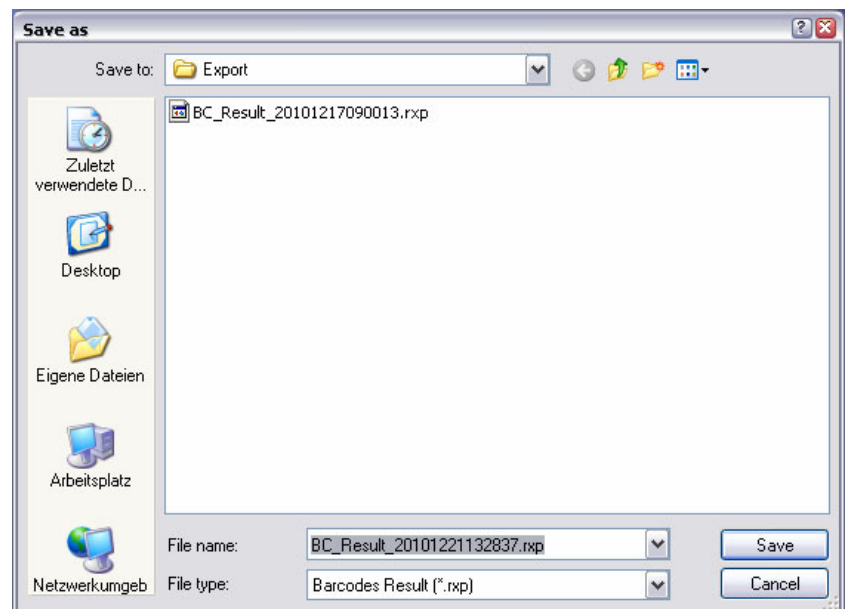
The existing barcodes are replaced with the imported barcodes.

- **Databases / Centrifuge barcodes**

- Export button**

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **centrifuge barcode** export file is ***.cxp**

- Enter a name for the export file in the **File name** data field or accept default name.
- Click **Save** button.

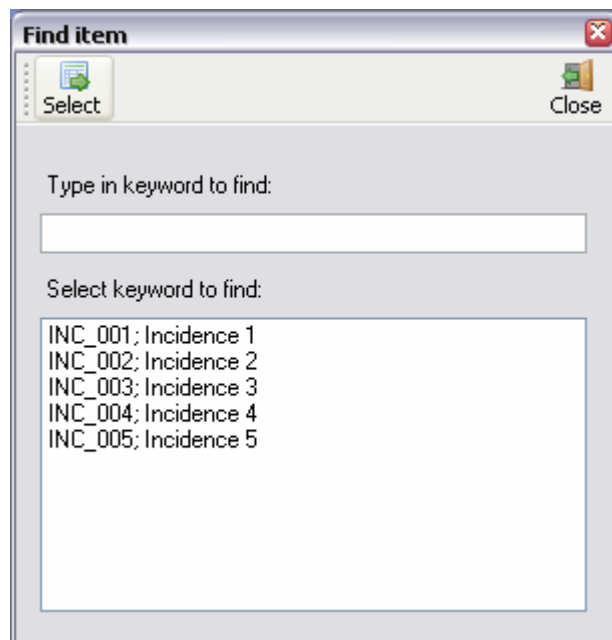
The centrifuge barcodes are exported.

● **Databases / Centrifuge barcodes**

Find button

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration centrifuge barcodes** dialog box.

● **Databases / Incidence barcodes**

Print button

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

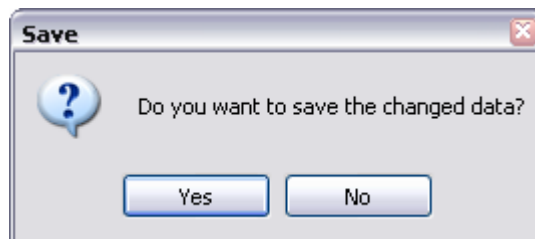
- Click printer icon.

The list is printed on the selected printer.

● Databases / Incidence barcodes

Close button

Click the **Close** icon to trigger the display of the following safety prompt.



Click the **Yes** button to save all changes made.

or

Click the **No** button to discard all input made.

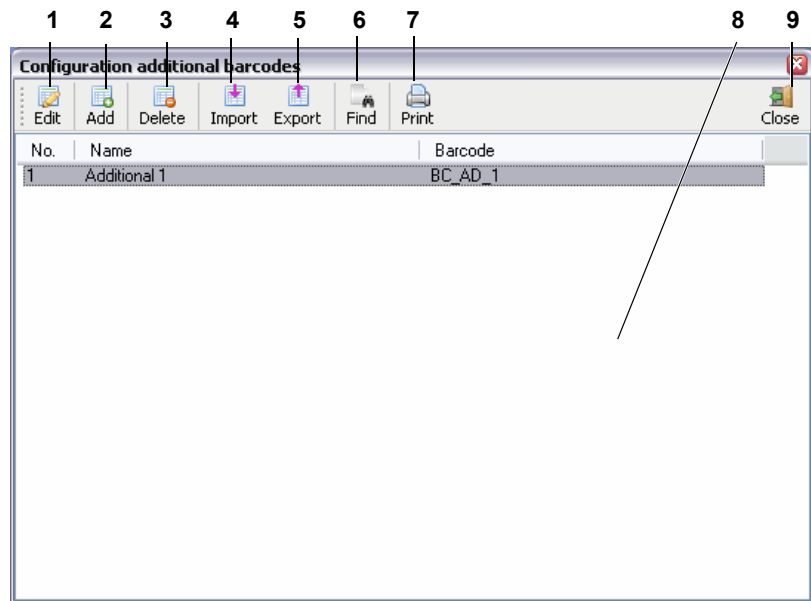
3.3.9.5 Databases / Additional barcodes



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration additional barcodes dialog box



1 Edit

Opens the dialog box for editing an additional barcode

2 Add

Opens the dialog box for adding an additional barcode

3 Delete

Deletes an additional barcode created

4 Import

Imports an additional barcode created

5 Export

Exports an additional barcode created

6 Find

Finds an additional barcode created

7 Print

Prints a list with all additional barcodes created

8 Table

Shows all stored additional barcodes

9 Close

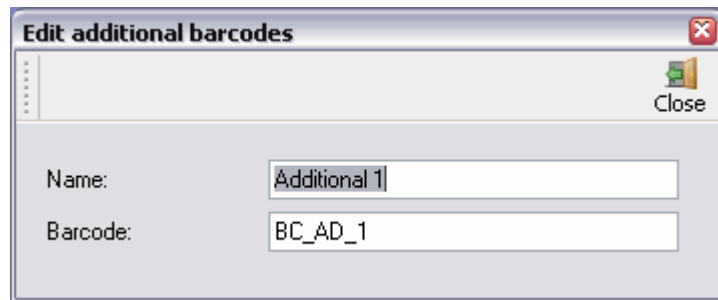
Closes the dialog box

● **Databases / Additional barcodes**

Edit button

- Highlight a barcode by clicking in the table using the mouse
- Click the **Edit** button

The dialog box shown below opens.



The barcode name and/or the barcode can be changed.

Click the **Close** icon to close the dialog box.

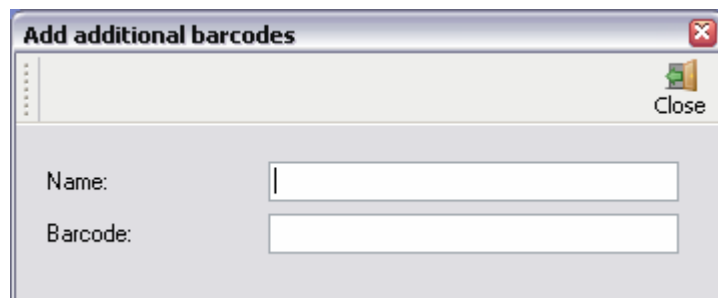
Changes are saved after confirming a safety prompt.

- **Databases / Additional barcodes**

- **Add button**

- Click the **Add** button;

- The dialog box shown below opens.



- Enter the name of the barcode in the **Name** field;

- Enter the barcode in the **Barcode** field.

- Click the **Close** button.

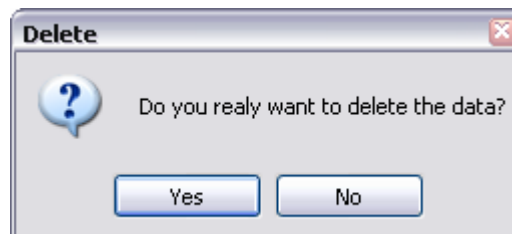
- The created barcode is saved after confirming a safety prompt.

- **Databases / Additional barcodes**

- **Delete button**

- Highlight a barcode by clicking on it in the table.

- Click the **Delete** button.



- The highlighted barcode is deleted after confirming the safety prompt.

● **Databases / Additional barcodes**

Import button

- Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **additional barcode** import file is ***.axp**
-

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

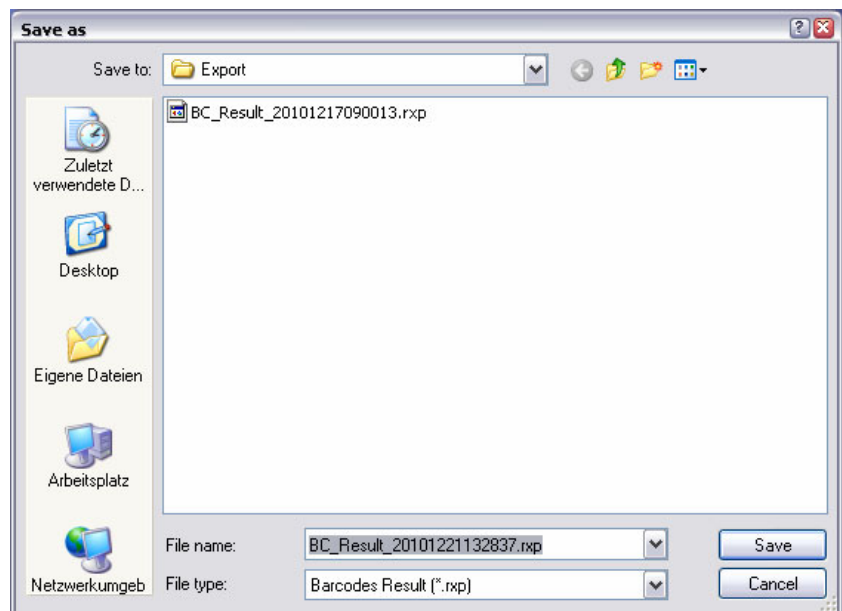
The existing barcodes are replaced with the imported barcodes.

● **Databases / Additional barcodes**

Export button

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **additional barcode** export file is ***.axp**
-
- Enter a name for the export file in the **File name** data field or accept default name.
 - Click **Save** button.

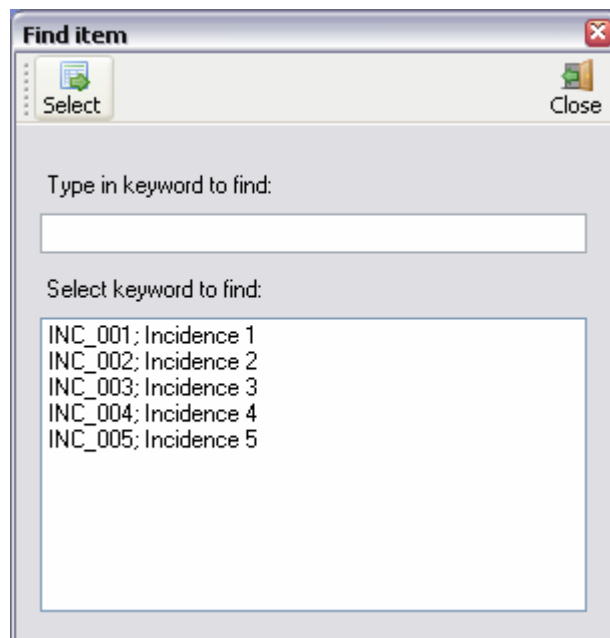
The additional barcodes are exported.

● Databases / Additional barcodes

Find button

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration additional barcodes** dialog box.

● Databases / Additional barcodes

Print button

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

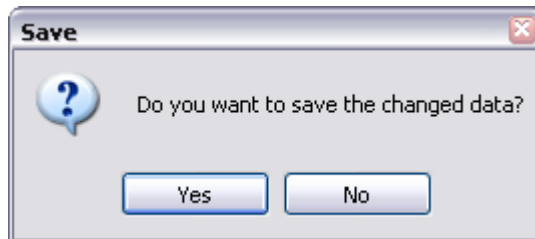
- Click printer icon.

The list is printed on the selected printer.

● **Databases / Additional barcodes**

Close button

Click the **Close** icon to trigger the display of the following safety prompt.



Click the **Yes** button to save all changes made.

or

Click the **No** button to discard all input made.

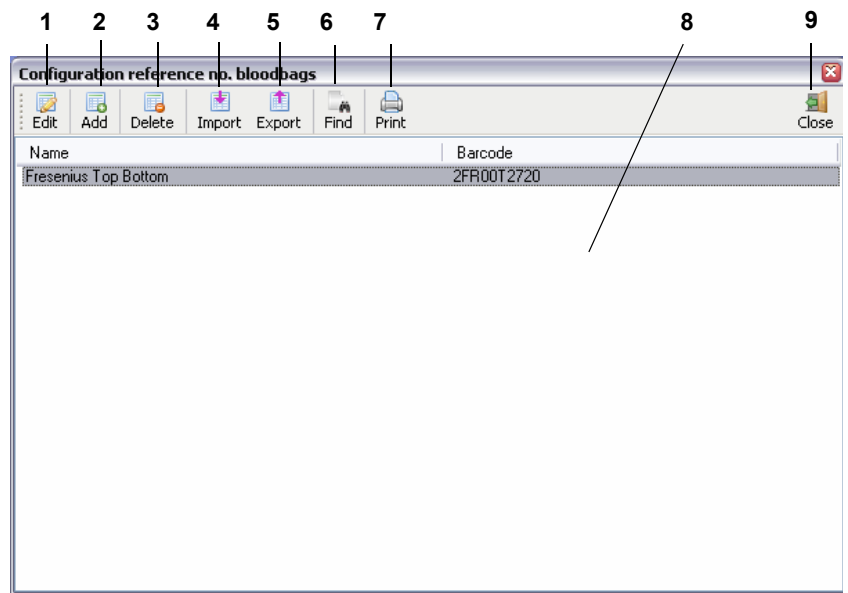
3.3.9.6 Databases / Reference no. bloodbags



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration reference no. bloodbags dialog box



1 Edit

Opens the dialog box for editing the reference no. for bloodbags.

2 Add

Opens the dialog box for adding a new reference no. for bloodbags

3 Delete

Deletes a stored reference no. for bloodbags

4 Import

Imports reference numbers for bloodbags

5 Export

Exports reference numbers for bloodbags

6 Find

Finds a specific reference number for bloodbags

7 Print

Deletes a stored reference no. for bloodbags

8 Table

Shows all stored reference numbers for bloodbags

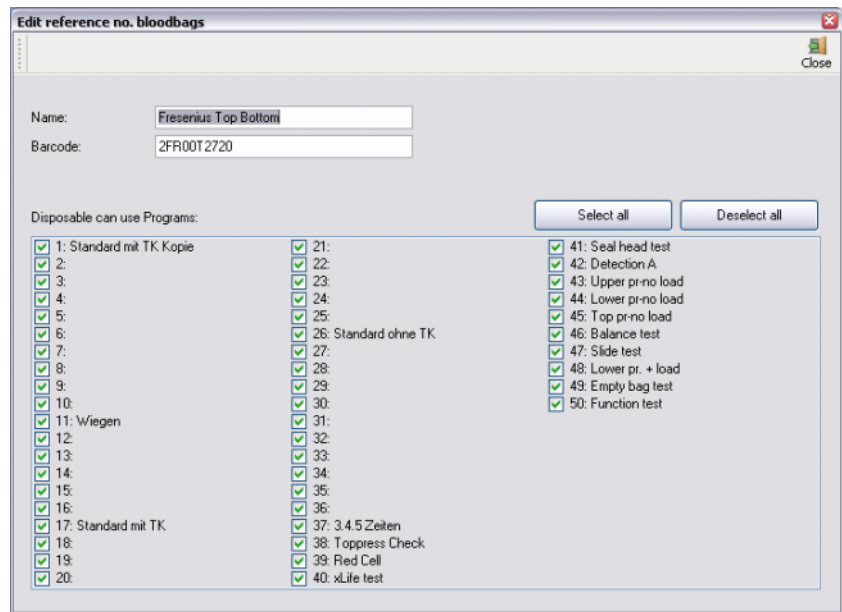
9 Close

Closes the dialog box.

● Databases / Reference no. bloodbags

Edit button

- Highlight a barcode by clicking on it in the table.
 - Click the **Edit** button;
- The dialog box shown below opens.



The name of the bloodbag or the reference number and/or the barcode can be changed.

The approved programs for this set can be selected/de-selected.

Click the **Close** icon to close the dialog box.

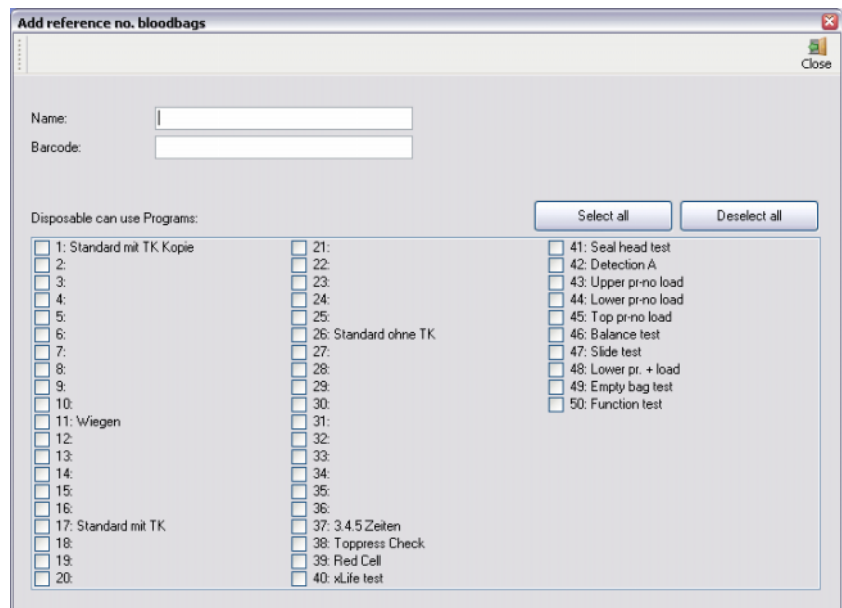
Changes are saved after confirming a safety prompt.

● **Databases / Reference no. bloodbags**

Add button

– Click the **Add** button;

The dialog box shown below opens.



The name of the bloodbag or the reference number and the barcode must be entered.

The activated programs for this set must be selected.

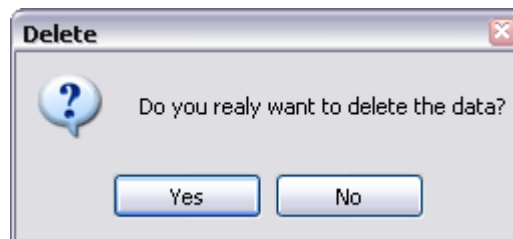
Click the **Close** icon to close the dialog box.

Changes are saved after confirming a safety prompt.

- **Databases / Reference no. bloodbags**

Delete button

- Highlight a barcode by clicking on it in the table.
- Click the **Delete** button.



The highlighted barcode is deleted after confirming the safety prompt.

- **Databases / Reference no. bloodbags**

Import button

- Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **additional barcode** import file is ***.npx**

- Select the desired operator barcode.

- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

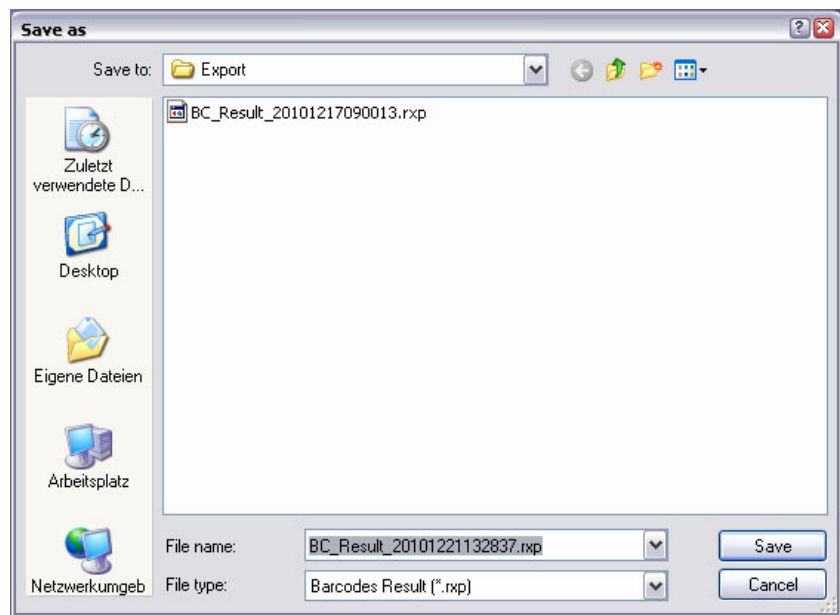
The existing barcodes are replaced with the imported barcodes.

- **Databases / Reference no. bloodbags**

Export button

- Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **reference no. bloodbag** export file is ***.nxp**

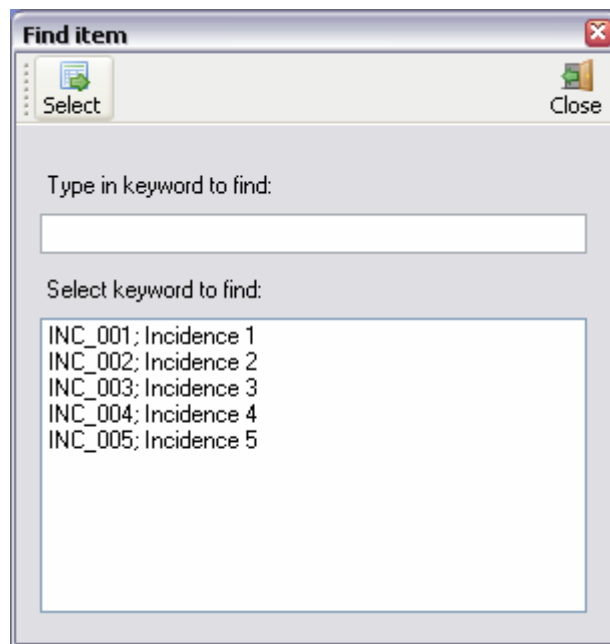
-
- Enter a name for the export file in the **File name** data field or accept default name.
 - Click **Save** button.

The bloodbag reference numbers are exported.

- **Databases / Reference no. bloodbags**

- Find button**

- Click **Find** button.
- The dialog box below opens.



(As an example, the find window for an incidence barcode)

In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration reference no. bloodbags** dialog box.

- **Databases / Reference no. bloodbags**

- **Print button**

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

- Click printer icon.

The list is printed on the selected printer.

- **Databases / Reference no. bloodbags**

- **Close button**

Click the **Close** icon to close the **Reference no. bloodbags** dialog box.

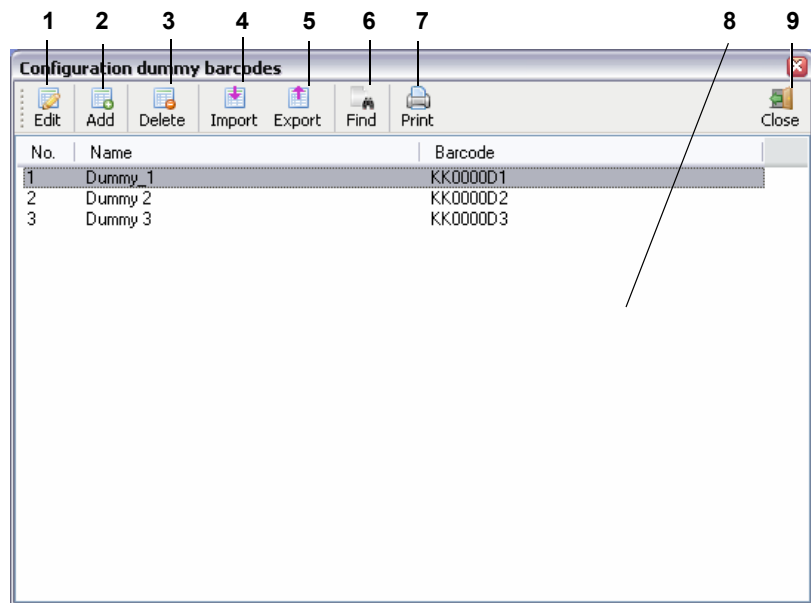
3.3.9.7 Databases / Dummy barcodes



Note

Requirement for operation of the **Databases** menu is **authorization level SL3**.

Configuration dummy barcodes dialog box



1 Edit

Opens the dialog box for editing a dummy barcode

2 Add

Opens the dialog box for adding a dummy barcode

3 Delete

Deletes a stored dummy barcode

4 Import

Imports a stored dummy barcode

5 Export

Exports a stored dummy barcode

6 Find

Finds a stored dummy barcode

7 Print

Prints a list with all dummy barcodes stored

8 Table

Shows all stored dummy barcodes

9 Close

Closes the dialog box

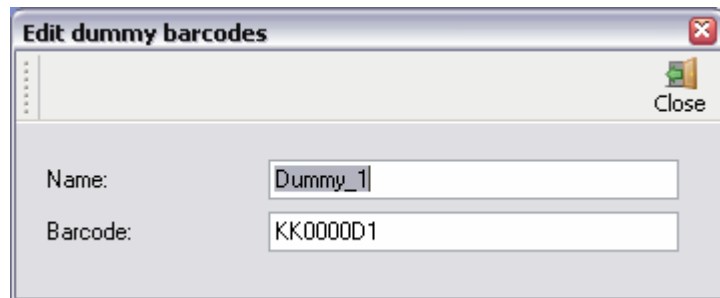
● **Databases / Dummy barcodes**

Edit button

– Highlight a barcode by clicking on it in the table.

- Click the **Edit** button;

The dialog box shown below opens.



The barcode name and/or the barcode can be changed.

Click the **Close** icon to close the dialog box.

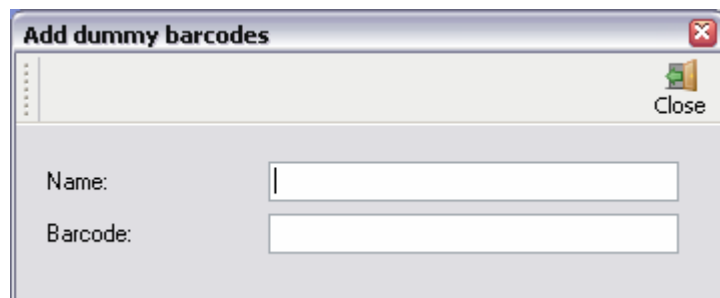
Changes are saved after confirming a safety prompt.

- **Databases / Dummy barcodes**

- Add button**

- Click the **Add** button;

The dialog box shown below opens.



- Enter the name of the barcode in the **Name** field;

- Enter the barcode in the **Barcode** field.

- Click the **Close** button.

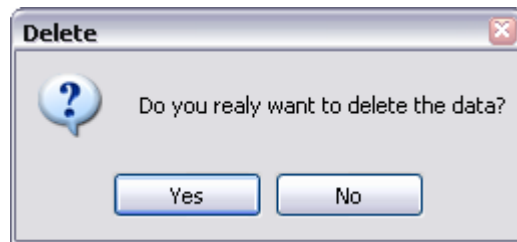
The created barcode is saved after confirming a safety prompt.

- **Databases / Dummy barcodes**

- Delete button**

- Highlight a barcode by clicking on it in the table.

- Click the **Delete** button.



The highlighted barcode is deleted after confirming the safety prompt.

● **Databases / Dummy barcodes**

Import button

– Click the **Import** button.

A Windows browser window with the pre-defined path opens.



Note

- Default path for import files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
 - The file extension for the **dummy barcode** import file is ***.dpx**
-

- Select the desired operator barcode.
- Click the **Save** button.

Decide whether the data are to be appended or overwritten using the dialog box.

- Click the **Yes** button.

The imported barcodes are appended.

or

- Click **No** button.

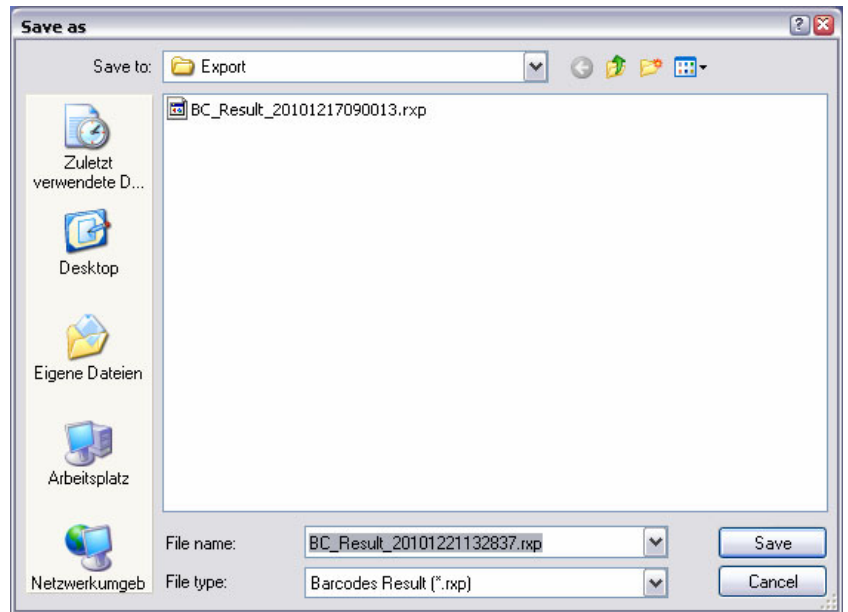
The existing barcodes are replaced with the imported barcodes.

● **Databases / Dummy barcodes**

Export button

– Click the **Export** button.

The following browser window opens.



(As an example, the dialog box for exporting a result barcode)



Note

- Default path for export files is **C:\Programme\Fresenius Kabi\CompoMaster Net G5\Data\Export**
- The file extension for the **dummy barcode** export file is ***.dpx**
- Enter a name for the export file in the **File name** data field or accept default name.
- Click **Save** button.

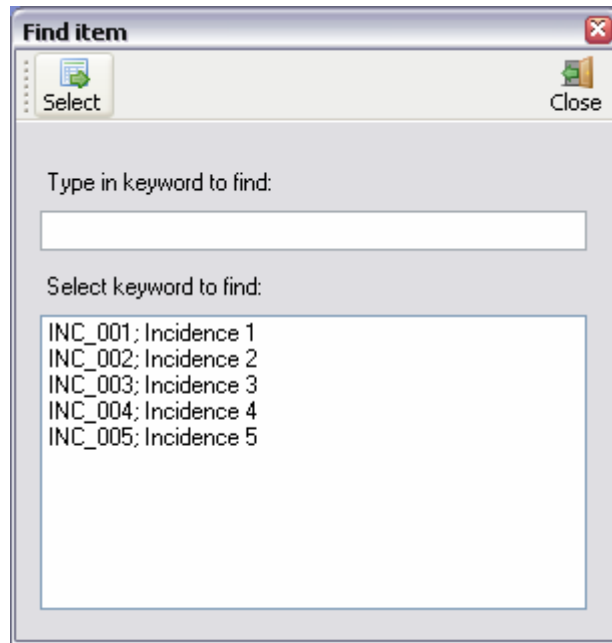
The dummy barcodes are exported.

● Databases / Dummy barcodes

Find button

- Click **Find** button.

The dialog box below opens.



(As an example, the find window for an incidence barcode)

In the **Type in keyword to find** data field enter the complete search context.

or

- Click the search context in the **Select keyword to find** list using the mouse.
- Click **Select** button.

The related barcode is marked in the **Configuration dummy barcodes** dialog box.

3.3.9.8 Databases / Dummy barcodes

Print button

- Click the **Print** button.

A Windows printer selection window opens.

- Select the desired printer.
- Click **OK** button.

A print preview is opened.

- Click printer icon.

The list is printed on the selected printer.

● **Databases / Dummy barcodes**

Close button

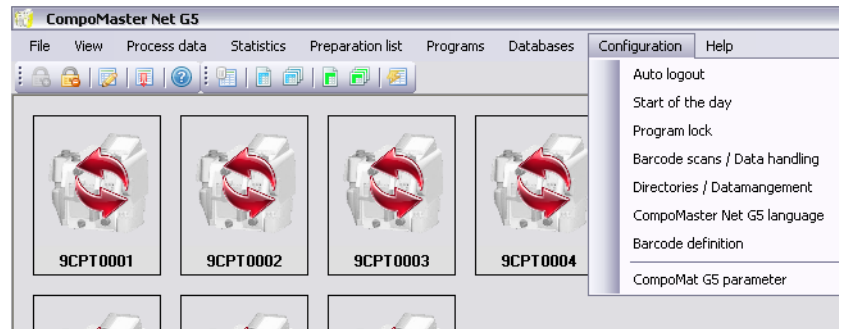
Click the **Close** icon to close the **Dummy barcodes** dialog box.

3.3.10 Configuration



Note

Requirement for operation of the **Configuration** menu is **authorization level SL3**.



The **Configuration** menu provides the following menu options:

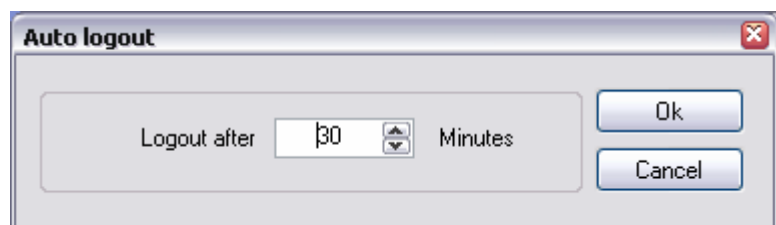
- **Auto logout**
- **Start of the day**
- **Program lock**
- **Barcode scans / Data handling**
- **Directories / Datamanagement**
- **CompoMaster Net G5 Language**
- **Barcode definition**
- **CompoMat G5 parameters**

3.3.10.1 Configuration / Auto logout



Note

Requirement for operation of the **Configuration / Auto logout** menu is **authorization level SL3**.



The **Auto logout** dialog box is used to set the period of time after which the CompoMaster Net G5 logs off the currently logged-in user without user interaction.



Note

The **Auto logout** function only takes effect if all dialog boxes have been closed.

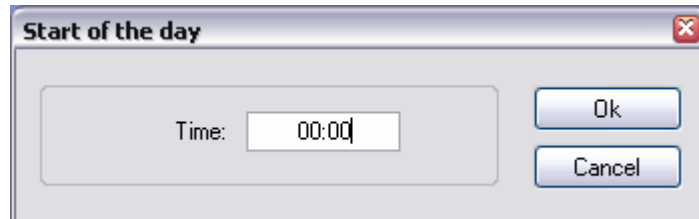
Entering the value **0** disables the **Auto logout** function.

3.3.10.2 Configuration / Start of the day



Note

Requirement for operation of the **Configuration / Start of the day** menu is **authorization level SL3**.



The **Start of the day** dialog box can be used to set the time the new day starts from 00:00 to 23:59:00 on the following day.

The day start time defines the period of time in which the data for the statistical analysis is valid.

Example:

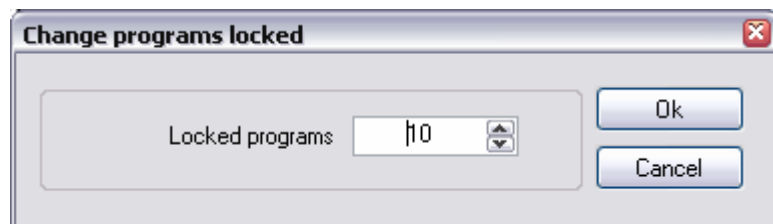
If the production shift changes at 10:00, then the data for the current day is collected from 10:00 to 10:00 on the following day.

3.3.10.3 Configuration / Program lock



Note

Requirement for operation of the **Configuration / Program lock** menu is **authorization level SL3**.



The **Program Lock** dialog box can be used to set up to which program slot the program configuration is locked for operators with authorization level **SL2**.

Example:

By entering the value 10, **SL2** operators will only be able to configure programs 11...50.

3.3.10.4 Configuration / Barcode scans / Data handling

**Note**

Requirement for operation of the **Configuration / Barcode scans / Data handling** menu is **authorization level SL3**.

The **Barcode scans / Data handling** dialog box is used to define the barcode scans that are active when processing a program.

All settings can be made for each CompoMat G5 individually.

The overview shown below shows the current settings in tabular form.

Settings can be adjusted for a single CompoMat G5 or more than one CompoMat G5 at the same time.

Device	Process data	Donation	Product	Batch	Result	Centrifuge	Additional	Incidence	Operator 1/2	Balance
SCPT0001	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0002	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0003	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0004	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0005	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0006	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0007	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0008	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic
SCPT0009	On	Off	Off	Off	Off	Off	Off	Off	Off/Off	Automatic

- **Adjusting barcode settings for a single CompoMat G5**

- **Enable extended barcodes check box**

Check the **Enable extended barcodes** check box to activate the basic functionality for barcode scans for **extended barcodes**. However, the actual scan depends on the settings for the individual barcode itself.

The extended barcodes are:

- Centrifuge barcode
- Additional barcode
- Incidence barcode

- **G5 Format check box**

Check the **G5 Format** check box to enable the selection of the following data:

- CompoMat G5 serial no. instead of CompoMat G5 name
- 5 additional data points for the RCC scales
- **Start time** and **Stop time** counters

- **Edit button**

- Select the device to change by clicking on the appropriate line.
- Click **Edit** button.

The dialog box shown below opens.

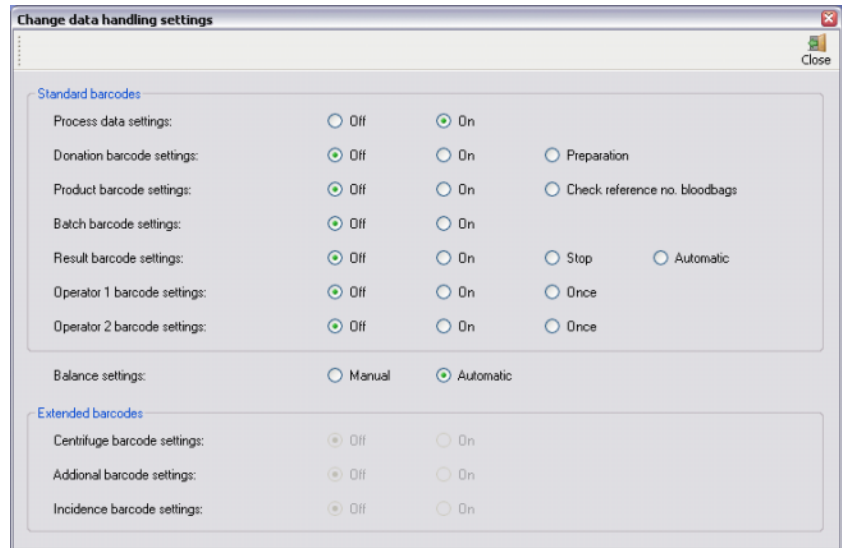
or

● **Change barcode settings for all CompoMat G5 devices**

Change all button

– Click the **Change all** button.

The dialog box shown below opens.



● **Settings in Change data handling settings dialog box**

Process data

Off

- Regardless of the settings for individual barcodes, no barcodes will be scanned.
- The CompoMat G5 works without the CompoMaster Net G5
- Process data will not be collected



Note

As supplied from the factory, the CompoMat G5 will have process data set to "Off".

On

- Barcode scanning is initiated. However, the actual scan will depend on the settings for the individual barcodes.
- The CompoMat G5 / CompoMaster Net G5 collects process data.

Donation barcode

Off

- The donation barcode is not scanned.

On

- The donation barcode must be scanned whenever a program is started on the CompoMat G5.
- The donation barcode is not checked.

	<p>Preparation</p> <ul style="list-style-type: none"> – The donation barcode must be scanned whenever a program is started on the CompoMat G5. – The donation barcode must be present in the preparation list.
Product barcode	<p>Off</p> <ul style="list-style-type: none"> – The product barcode is not scanned. <p>On</p> <ul style="list-style-type: none"> – The product barcode is queried before starting. <p>Reference no. bloodbags</p> <ul style="list-style-type: none"> – The scanned barcode must be stored under Databases / Configuration reference no. bloodbags.
Batch barcode settings	<p>Off</p> <ul style="list-style-type: none"> – The batch barcode is not scanned. <p>On</p> <ul style="list-style-type: none"> – The product barcode must be scanned whenever a program is started.
Result barcode settings	<p>Off</p> <ul style="list-style-type: none"> – The result barcode is not scanned. <p>On</p> <ul style="list-style-type: none"> – The result barcode must be scanned whenever a program is completed. <p>Stop</p> <ul style="list-style-type: none"> – The result barcode must be scanned only when a program is stopped. <p>Automatic</p> <ul style="list-style-type: none"> – The result barcode must be scanned only when a program is stopped. – If no program stop is triggered during processing, then a Normal Result will be entered automatically.
Operator 1 barcode settings	<p>Off</p> <ul style="list-style-type: none"> – The Operator 1 barcode is not scanned. <p>On</p> <ul style="list-style-type: none"> – The Operator 1 barcode must be scanned whenever a program is started. <p>Once</p> <ul style="list-style-type: none"> – The Operator 1 barcode must be scanned only for the first process. This barcode is then logged for each additional process executed on this CompoMat G5 device, until the CompoMat G5 is switched off again.

Operator 2 barcode settings

Off

- The **Operator 2 barcode** is not scanned.

On


- The **Operator 2 barcode** must be scanned whenever a program is started.

Once

- The **Operator 2 barcode** must be scanned only for the first process. This barcode is then logged for each additional process executed on this CompoMat G5 device, until the CompoMat G5 is switched off again.

Get weight

Manual

When a weight is measured, the operator must press the  key (green) in order to proceed with the program.

Automatic

When a weight is measured, the program continues automatically.



Note

The extended barcodes **centrifuge barcode**, **additional barcode**, **incidence barcode** can only be processed if the check box has been checked in the previous dialog box. (see chapter 3.3.10.4 , page 111)

Centrifuge barcode

Off

- The **centrifuge barcode** is not scanned.

On

- The **centrifuge barcode** must be scanned whenever a program is started.

Additional barcode

Off

- The **additional barcode** is not scanned.

On

- The **additional barcode** must be scanned whenever a program is started.

Incidence barcode

Off

- The **incidence barcode** is not scanned.

On

- The **incidence barcode** must be scanned after every program run.

3.3.10.5 Configuration / Directories / Datamanagement

**Note**

Requirement for operation of the **Configuration / Directories / Datamanagement** menu is **authorization level SL3**.

- Select **Configuration / Directories / Datamanagement** menu;
The dialog box shown below opens.

The directory paths can be viewed or changed in the dialog box shown above.

The basic installation has the following standard directory setting:

Directories

Process data: ... \Data \Processdata

Export data: ... \Data \Export

Automatic transfer: ... \Data \Transfer

G4 data: ... \

**Note**

The path specified for G4 data will become active only once the corresponding check box has been checked.

Communication files

Preparation list: Order.lst

**Note**

The **Preparation list** will become active only once the corresponding check box has been checked.

Result file: Result.lst



Note

The **Result file** will become active only once the corresponding check box has been checked.

G4 preparation list: Order.lst



Note

The path specified for G4 data will become active only once the corresponding check box has been checked.

G4 result file: Result.lst



Note

The path specified for G4 data will become active only once the corresponding check box has been checked.

3.3.10.6 Configuration / CompoMaster Net G5 language



Note

Requirement for operation of the **Configuration / CompoMaster Net G5 language** menu is **authorization level SL3**.

- Select **CompoMaster Net G5 language** in the Configuration menu. The dialog box shown below opens.



- Use the mouse to highlight the desired language.
 - Click **OK** button.
- The selection is applied.

3.3.10.7 Configuration / Barcode definitions



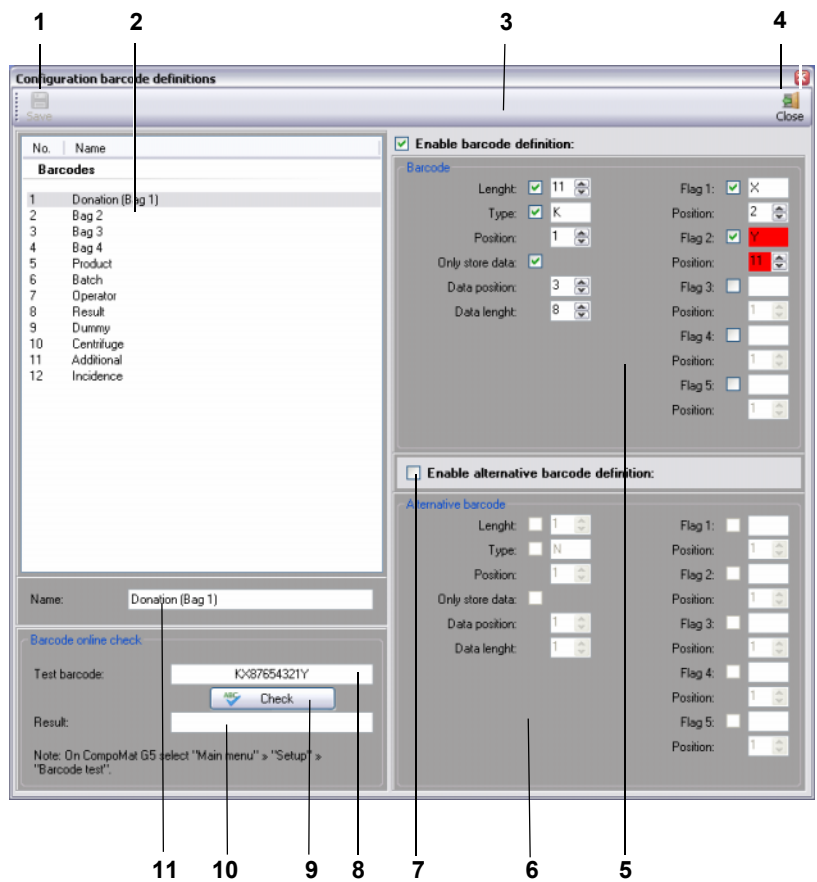
Note

Requirement for operation of the **Configuration / Barcode definitions** menu is **authorization level SL3**

Configuration barcode definitions dialog box

The filter criteria of all barcodes are set in the **Configuration barcode definitions** dialog box.

The scanned barcode will only be accepted if all criteria of the barcode definition are complied with.



1. **Save** button
2. List of available **barcodes**
3. Check box to activate the **barcode definition** for the selected barcode
4. **Close** button
5. **Barcode definition**
6. **Alternative barcode definition**
7. Check box to activate the **alternative barcode definition** for the selected barcode
8. **Character string** of scanned barcode
9. **Check** button
10. **Result** of checked barcode
11. Name of barcode selected under **4**

● **Example of a barcode**



Note

Preconditions for scanning a barcode are:

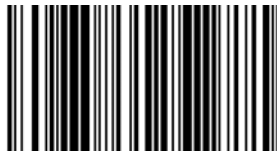
- CompoMat G5 must be switched on
 - CompoMat G5 must be connected to the CompoMaster Net G5
 - CompoMat G5 must be displaying the **Barcode test** menu
-

Accessing the Barcode test menu

The **Barcode test** menu can be accessed via **Ready to use / Main menu / Settings / Barcode Test**.

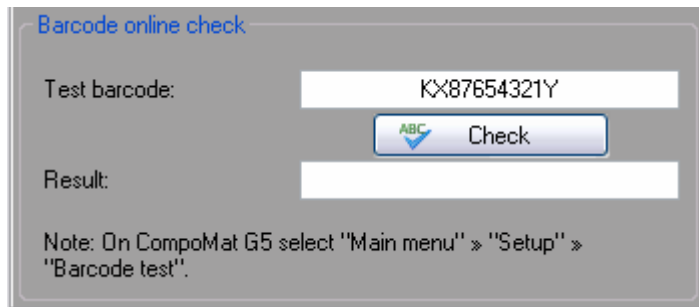
(See also Operating Instructions for CompoMat G5)

The barcode shown below can be decrypted in the **Configuration barcode definitions** dialog box using the **Barcode online check** area.

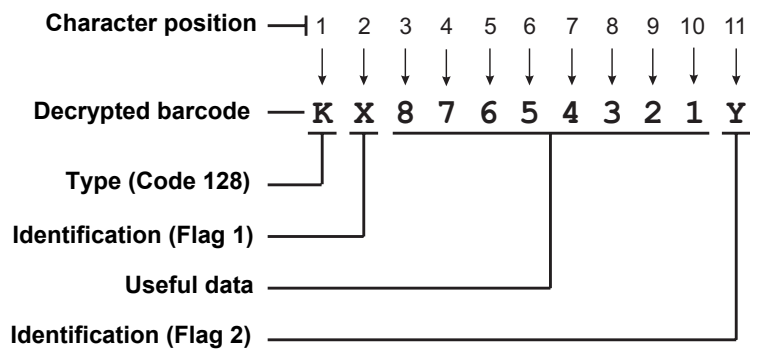


87654321

The section of the screenshot shown below displays the scanned-in barcode.



Structure of a barcode (example)



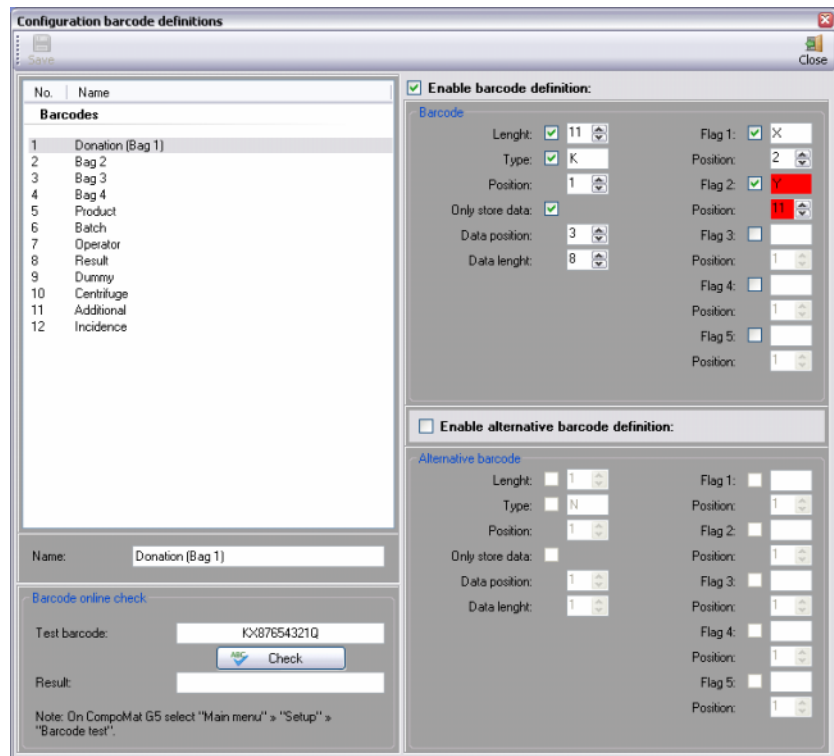
Using a flag

A flag is a defined character that is always located in the same data position for a specific barcode group.

Example:

As a character string, the barcode group **Operator** always has an **M** in the second data position.

A barcode that does not fulfill this condition is identified as an error.



- **Save**

- Click **Save** button;
- All changes are saved.

- **Close**

- Click the **Close** button
- The **Configuration barcode definitions** dialog box is closed after a safety prompt.

- Barcodes**

- The **barcode** list displays all of the barcodes available.
- The following barcodes are available:

1. **Donation (Bag 1)**
2. **Bag 2**
3. **Bag 3**
4. **Bag 4**
5. **Product**
6. **Batch**
7. **Operator**
8. **Result**
9. **Dummy**
10. **Centrifuge**
11. **Additional barcode**
12. **Incidence**

Name	The name of the barcode selected from the barcode list is shown in the Name field.
Enable barcode definition	<p>The program is delivered with the barcode definition disabled for all barcodes, i.e. all characters of the barcode are used as data fields. If a different setting is desired, the barcode definition can be activated for individual barcodes.</p> <p>Check the Enable barcode definition check box to activate the application of the specified barcode definitions to the selected barcode.</p> <p>The following features can be optionally set for each barcode:</p> <ul style="list-style-type: none"> – Barcode length – Only store data field – Data position – Data length – Type – Position – Flag 1-5 – Position (for flag 1-5)
Barcode / Length	<ul style="list-style-type: none"> – Barcode length is entered using the keyboard or the listbox. – Check the Length check box to make the selection in the list effective. The barcode length includes all the barcode characters.
Barcode / Type	<p>The barcode type can be entered in the Type field.</p> <p>N = CODABAR, K = Code 128 M = Code 39</p> <p>Check the Type check box to make the definition entered effective.</p>
Barcode / Position	The data position for Type must be entered in the Position list box.
Barcode / Only store data field	<ul style="list-style-type: none"> – Check the Only store data field check box to only store reference data that are defined by the Data position and Data length list boxes.

This section defines the actual reference data utilized by CompoMaster Net G5. Hence, any definition of the data range also means that the bar code data is filtered.

Barcode /
Data position

– Data position is entered using the keyboard or the listbox.

Barcode /
Data length

– Data length is entered using the keyboard or the listbox.

Barcode /
**Flag 1, Flag 2, Flag 3,
Flag 4, Flag 5**

Explanation of the term "flag"

A flag is a standard character that is always located in the same data position for a specific barcode group.

In addition to user data, flags in the barcode can be checked, allowing allocation of the barcode. (bag, operator, etc)

Example:

As a character string, the barcode group **Operator** always has an **M** in the second data position.

A barcode that does not fulfill this condition is identified as an error.

Up to five positions of the character string can be specified for barcode identification.

Up to two different characters can be defined for each specified position (**Flag + Alternative flag**).

This definition allows CompoMaster Net G5 to detect if the correct barcode has been scanned.

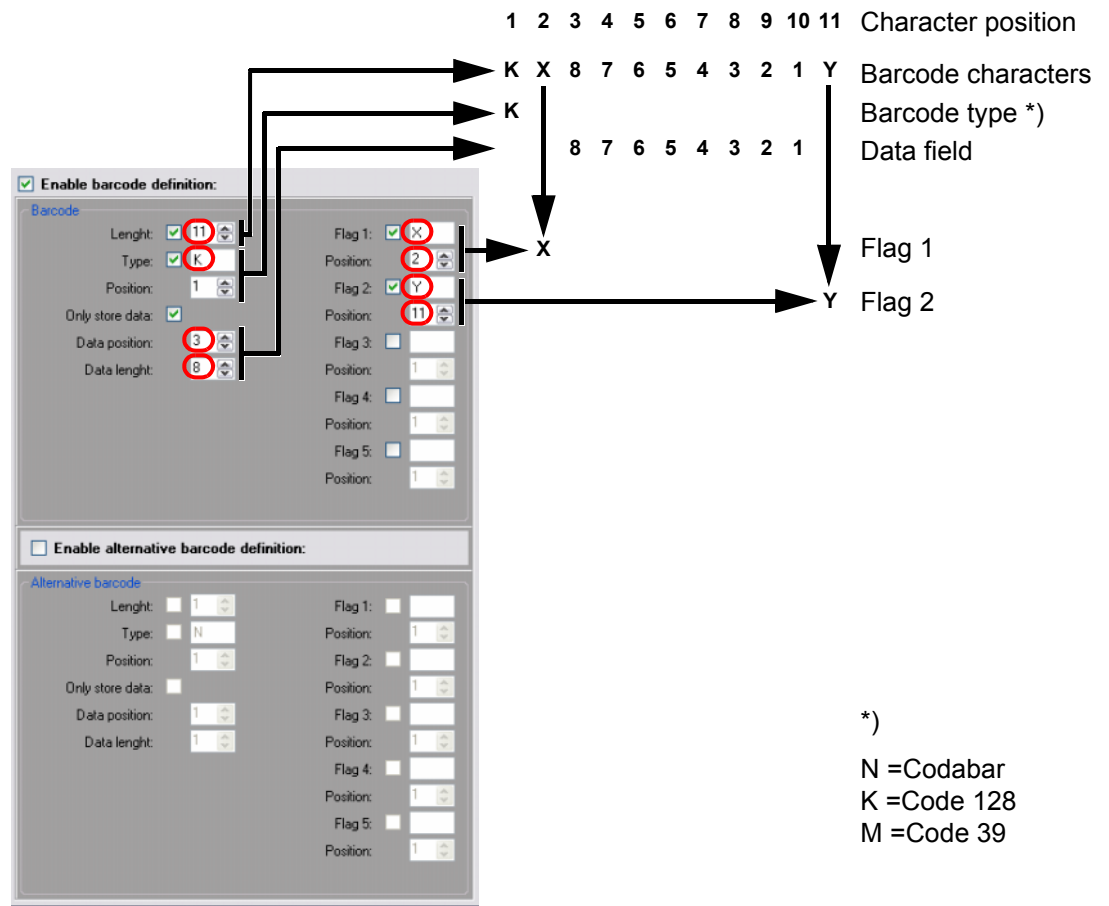
Barcode /
Position

The data position for each defined **flag** must be entered.

Alternative barcodes

Alternative barcodes can be entered for the donation barcodes bag 1-4, as well as for the barcode for product and batch. In other words, any scanned barcode compliant with one of the two definitions will be approved as a valid barcode. The alternative barcode can only be activated if the primary barcode is enabled.

● Graphical representation



● Barcode online check



Note

Preconditions for scanning a barcode are:

- CompoMat G5 must be switched on
- CompoMat G5 must be connected to the CompoMaster Net G5
- CompoMat G5 must be displaying the **Barcode test** menu

Accessing the Barcode test menu within CompoMat G5

The **Barcode test** menu can be accessed via **Betriebsbereit (Ready for operation) / Main menu / Settings / Barcode Test.**

(See also Operating Instructions for CompoMat G5)

Test Barcode

The complete character string of the scanned barcode is shown here.



Tip

The character string can also be entered via the keyboard for easier generation or testing.

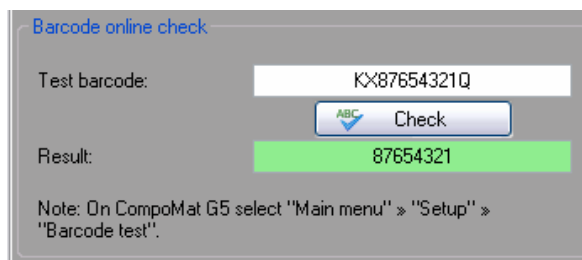
**Check button
and
Result output field**

Click the **Check** button.

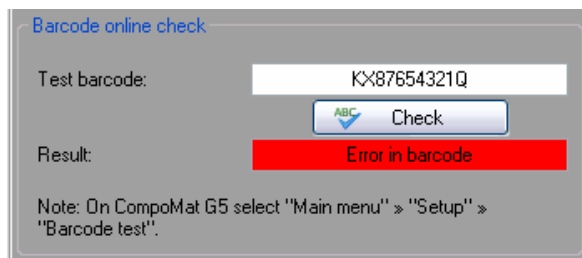
The character string of the barcode is checked.

If the barcode does not fulfill all the barcode definition criteria, the defined **data field** is shown in the **Result** output field.

The test barcode shown below was checked with the settings shown in **Graphical representation** on page 123.



If the barcode and the barcode definition differ, the message **Error in barcode** is shown in the **Result** field (see below).



Enable barcode definition:

Barcode

Length: Flag 1: X Position:

Type: Flag 2: Y Position:

Position: Flag 3: Position:

Only store data: Flag 4: Position:

Data position: Flag 5: Position:

Data length: Position:

Enable alternative barcode definition:

Alternative barcode

Length: Flag 1: Position:

Type: Flag 2: Position:

Position: Flag 3: Position:

Only store data: Flag 4: Position:

Data position: Flag 5: Position:

Data length: Position:

The discrepancy is also shown by highlighting the particular area in the **barcode definition** in red.

The test barcode shown in the example has a **Q** in **data position 11**. The barcode definition specifies a **Y** for **Flag 2**.

3.3.10.8 Configuration / CompoMat G5 parameter

Configuration CompoMat G5 parameter

Device passwords

Select program:

Cleanup:

Calibrate:

Setup:

<Start> button after program change

CompoMat G5 language

English
German
Italian
Dutch
Spanish

WLAN/ Network

WLAN-SSID:

WLAN-Password:

Network IP-Address

OK Cancel

● **Passwords**

Device passwords as supplied

Program selection	1 0 0 0
Calibrate	2 0 0 0
Cleanup	3 0 0 0
Setting	4 0 0 0

Changing the password



Note

The password must always be entered as 4 digits.

- Double-click the password you want to change.
- Enter a new password.
- Click the **Ok** button.

The new password is saved after confirming a safety prompt.

● **<Start> button after program change**

If the Preparation List is used, then each blood unit is allocated a program number.

If the program selected on the CompoMat G5 is different to that defined in the Preparation List, then the program is changed automatically.

If the **<Start> button after program change** check box has been checked, there is a safety prompt before this change is made.

● **CompoMat G5 language**

Selecting the CompoMat G5 language

- Click the desired language with the mouse.
- Click the **Ok** button.

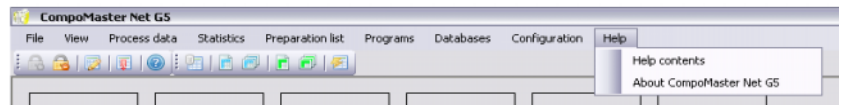
The selected language is saved after confirming a safety prompt.

● **Network IP-Address**

An IP address is shown in the **Network IP-Address** field for every network card installed in the CompoMaster Net G5 PC.

Here, the IP address assigned by the network to CompoMaster Net G5 must be clicked once.

3.3.11 Help



The Help menu provides the following menu options:

- **Help contents**
- **About CompoMaster Net G5**

3.3.11.1 Help / Help contents

- Select the **Help contents** menu option.

This document opens.

3.3.11.2 Help / About CompoMaster Net G5

- Select the **About CompoMaster Net G5** menu option.

The dialog box shown below opens.

The software version of CompoMaster Net G5 is displayed here.



4 Rules for creating programs with CompoMaster Net G5

4.1 Use of actuators and sensors in main program and sub-program

- Actuators and sensors used in the main program may not be present in the surrounding sub-program, and vice versa.

Example:

If the program step **Both Presses ...** is used in the main program, then the program step **Lower Press...** may not be used in the sub-program. This also applies to sensor systems (detectors, etc.)

4.2 Use of sub-programs

- Sub-programs may not be nested.
- A sub-program must always enclose at least one program step in the main program.
- A sub-program must always contain at least one program step.

4.3 Use of the Counter start and Counter stop program steps

- The **Counter start** and **Counter stop** program steps may only be used once per program.
- The **Counter start** program step must be positioned before **Counter stop** in the program.
- If the **Counter start** program step is located in a main program subject to parallel processing, then the **Counter stop** program step may not be located in an active sub-program, and vice versa.

4.4 Use of the Open door and weight program step

- When the **Open door and weight** program step is used, it must always be the last program step in the program. An **End** sub-program may need to be utilized.

4.5 Use of CF-Opener in main program and sub-program

- The **CF-Opener....** program steps may not be used in the main program and sub-program at the same time - even if different CF-Opener are referred to.

Example:

If the program step **CF-Opener Door** is used in the main program, then the program step **CF-Opener RCC** may not be used in the sub-program.

4.6 Use of CF-Opener and Slide program steps

- The **CF-Opener** and **Slide** program steps may not be used in the main program and sub-program at the same time.

Example:

If the program step **CF-Opener Door** is used in the main program, then the program step **Slide....** may not be used in the sub-program.

4.7 Use of the Slide out program step

- The **Slide out** program step may not be present in a sub-program
- The **Slide out** program step may not be located between the program steps **Task start** and **Task end** in the main program.

5 Interface description

5.1 Introduction

Objective

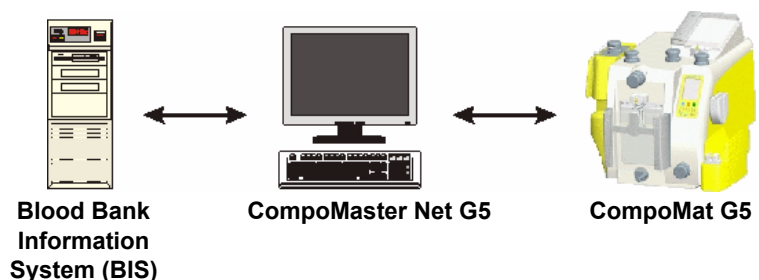
This section describes the principles of data transmission between the Blood Bank Information System (BIS) and CompoMaster Net G5 (Fresenius Kabi).

Further processing of data by BIS and CompoMaster Net G5 is not described here.

As soon as the preparation process within CompoMat G5 has completed, all process data will be available within a file in a predefined directory (see chapter 3.3.10.5 , page 115).

5.2 Description of the connection

5.2.1 Overview



5.2.2 Physical connection

The physical connection between CompoMaster Net G5 and BIS is achieved using Ethernet.

Two separate network cards are used in the CompoMaster Net G5 PC in order to keep the CompoMat G5 network separated from the BIS network.

(Optionally, a wireless network (WLAN) can be used for the CompoMaster Net G5 network.)

A shared network drive or directory must be made available to both networks, accessible to both BIS and CompoMaster Net G5.

5.2.3 Logical connection

Both networks can access the following files:

- Order file
- Result file

Order file The preparation list is read in by CompoMaster Net G5 automatically. CompoMat G5s can only process donations that are present in the preparation list.

Result file The result of a job is written to the result file automatically. No interaction is required for transmission of the data.

5.3 Order file structure

The preparation list consists of the **donation barcode** and the **program number** with which the donation is to be processed. The **donation barcode** and corresponding **program number** are separated by a comma and present in a single line.

Example:

```
123456.12
987654.2
```

5.4 Format and assignment of the result file

The result file The result file contains the results of all executed CompoMat G5 programs.

The path of the result file can be configured in the **Configuration / Directories / Datamanagement** menu.

Sample result line "DonationBC","DummyBC","7CPT0017","09:19:18","09:20:18","00:01:00","09/02/2009","ResultBC","12","Test Program 12","Operator1BC","1","00:00:01","001","002","003","004","005","201","202","203","204","205","1","ProductBC","BatchBC","Operator2BC","CentrifugeBC","AdditionalBC","Incidence1","Incidence2","Incidence3","Incidence4","Incidence5","","","101","102","103","104","105","09:19:18","09:20:18"

Result file data definition Individual data items are presented in quotation marks and separated by commas. Each comma corresponds to a position number. The individual data items are initialized as follows:

Pos.	Description	Format	Sample content
1	Donation barcode	STRING (max. 32 ASCII characters)	"DonationBC"
2	Dummy barcode	STRING (max. 32 ASCII characters)	"DummyBC"
3	CompoMat G5 Serial number	Fresenius serial number format (8 ASCII characters)	"7CPT0017"

Pos.	Description	Format	Sample content
4	Start time	hh:mm:ss	"09:19:18"
5	Stop time	hh:mm:ss	"09:20:18"
6	Process time	hh:mm:ss	"00:01:00"
7	Date	DD/MM/YYYY	"09/02/2009"
8	Result barcode	STRING (max. 32 ASCII characters)	"ResultBC"
9	Program number	Integer (1–50)	"12"
10	Program name	STRING (max. 16 ASCII characters)	"Test Program 12"
11	Operator barcode	STRING (max. 32 ASCII characters)	"Operator1BC"
12	Pause counter	Integer (0–99) or ""	"1"
13	Pause time	hh:mm:ss	"00:00:01"
14	Weight 1 PLS scales	Integer (0–999) or ""	"001"
15	Weight 2 PLS scales	Integer (0–999) or ""	"002"
16	Weight 3 PLS scales	Integer (0–999) or ""	"003"
17	Weight 4 PLS scales	Integer (0–999) or ""	"004"
18	Weight 5 PLS scales	Integer (0–999) or ""	"005"
19	Weight 1 RCC scales	Integer (0–999) or ""	"201"
20	Weight 2 RCC scales	Integer (0–999) or ""	"202"
21	Weight 3 RCC scales	Integer (0–999) or ""	"203"
22	Weight 4 RCC scales	Integer (0–999) or ""	"204"
23	Weight 5 RCC scales	Integer (0–999) or ""	"205"
24	Preparation mode	Integer (0 or 1)	"1"
25	Reference barcode	STRING (max. 32 ASCII characters)	"ProductBC"
26	Batch number	STRING (max. 32 ASCII characters)	"BatchBC"
27	Operator 2 barcode settings	STRING (max. 32 ASCII characters)	"Operator2BC"
<p>The following positions 28 to 36 are only output if the following condition is met:</p> <ul style="list-style-type: none"> – The Enable extended barcodes check box in Configuration / Barcode scans / Data handling is checked. 			
28	Centrifuge barcode	STRING (max. 32 ASCII characters)	"CentrifugeBC"
29	Additional barcode	STRING (max. 32 ASCII characters)	"AdditionalBC"
30	Incidence 1 barcode	STRING (max. 32 ASCII characters)	"Incidence1"
31	Incidence 2 barcode	STRING (max. 32 ASCII characters)	"Incidence2"
32	Incidence 3 barcode	STRING (max. 32 ASCII characters)	"Incidence3"
33	Incidence 4 barcode	STRING (max. 32 ASCII characters)	"Incidence4"

Pos.	Description	Format	Sample content
34	Incidence 5 barcode	STRING (max. 32 ASCII characters)	"Incidence5"
35	Batch 1 barcode	STRING (max. 32 ASCII characters)	""
36	Batch 2 barcode	STRING (max. 32 ASCII characters)	""
<p>The following positions 37 to 43 are only output if the following conditions are met:</p> <ul style="list-style-type: none"> – The Enable extended barcodes check box in Configuration / Barcode scans / Data handling is checked. – The G5 Format check box in Configuration / Barcode scans / Data handling is checked. 			
37	Weight 1 Press scales	Integer (0–999) or ""	"101"
38	Weight 2 Press scales	Integer (0–999) or ""	"102"
39	Weight 3 Press scales	Integer (0–999) or ""	"103"
40	Weight 4 Press scales	Integer (0–999) or ""	"104"
41	Weight 5 Press scales	Integer (0–999) or ""	"105"
42	Counter start	hh:mm:ss	"09:19:18"
43	Counter Stop	hh:mm:ss	"09:20:18"

5.4.1 Preparation list

Orders are included in a preparation list. When a donation has been processed using the CompoMat G5 or has been commissioned by BIS, the donation bar code is deleted from the preparation list.

The preparation list is automatically updated by the CompoMaster Net G5 at regular intervals.

- Click the **Update** icon to update the preparation list manually.
- Click the **Remain** icon to send unprocessed orders back to the BIS as unprocessed.

It is not possible to make changes in the preparation list.

5.4.2 Method

From the order file to the preparation list

The BIS includes orders in the order file.

- If not available, this file will be created.
- If the file is available, orders will be appended to it.
- New orders are added in the preparation list.
- If a new order with a donation barcode is issued that is already on the preparation list and if this donation barcode is not processed, then the old program number is replaced by the program number of the new order.

Using this method the BIS can make corrections for the donations in the preparation list that were not processed yet.

Result file	<ul style="list-style-type: none">– CompoMat G5 places the results in the result file.– If not available, this file will be created.– If the file is available, results will be appended to it.
Network drive not available	<p>It is possible that the network drive is no longer available. As long as there are orders in the preparation list, the CompoMat units can process further donations. Since the results can no longer be placed in the result file, a temporary result file is generated on the local hard disk.</p> <p>As soon as the network drive is available again, the local result file is automatically appended to the result file.</p>
Preparation list lost	<p>Under certain circumstances the preparation list can be lost (e.g., power failure or system failure).</p> <p>After CompoMaster Net G5 has been restarted, the BIS should be able to send the orders not processed by CompoMaster Net G5 once again.</p> <p>This ensures that all preparations are processed exactly according to the data management settings.</p> <p>To enable orders not yet processed to be sent once more, a backup copy of unsettled orders must be filed in the blood bank information system.</p>

6 Barcode scanner configuration

6.1 Reading the barcode configuration

The scanner is supplied by the factory configured for immediate use with the CompoMat G5 / CompoMaster Net G5. If the scanner fails to function properly because of a failure, the scanner can be reconfigured using the barcodes shown below.

Scanner reconfiguration

- Disconnect scanner from the CompoMat G5 and wait for 10 seconds.



Note

No more than 5 seconds may elapse between connecting the scanner and scanning the first barcode.

Reconnect the scanner to the CompoMat G5.

Scan in the following barcodes in the order given.

1. Start



2. Default



3. Disable ITF 2/5



4. Disable STF 2/5



5. Disable EAN



6C. Enable start/stop code



7. Enable Code 128



8C. Enable transmission NW7 start/stop CAPITAL FONT



10B. Disable transmission no of digits



11. Setting completion



12. Setup ok



Configuration of the barcode scanner is completed.

7 Network configuration

7.1 Manual configuration of the WLAN interface (PC)

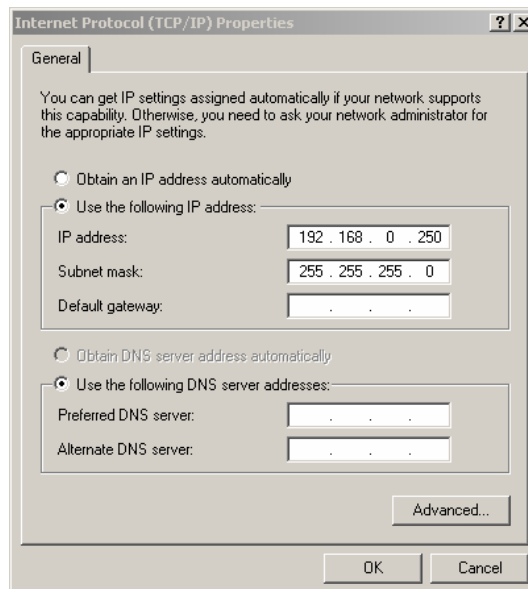
7.1.1 Properties of Internet Protocol (TCP/IP)



Note

For configuration with the CompoMaster Net G5, either a LAN interface or a WLAN interface will be configured (never both or several interfaces).

The PC's WLAN interface must be configured as follows:



- Use the following IP address option
- IP address **192.168.0.250**;
- Subnet mask **255.255.255.0**

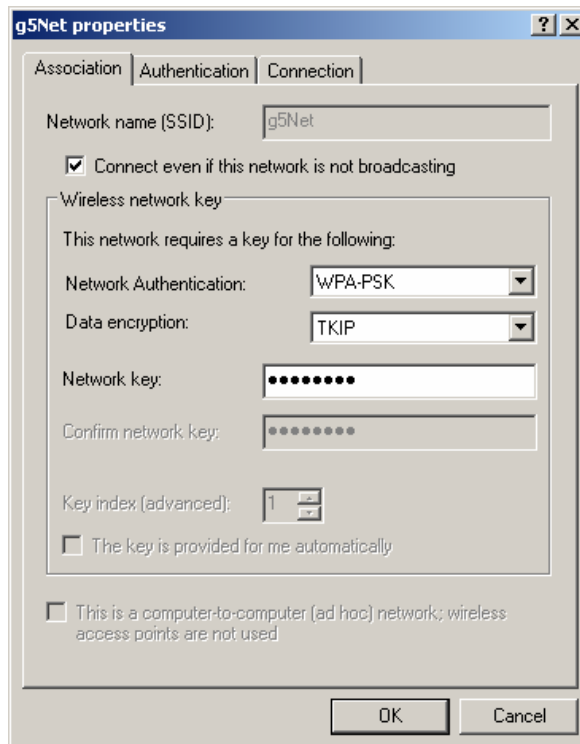


Note

Administrator rights are required for changing these settings.

7.1.2 Setting g5Net properties

The following WLAN parameters must be set.



Network name (SSID): **g5Net**

Network authentication: **WPA Personal**

Data encryption: **TKIP**

Network key: **CompoMasterNet**



Note

The network name (SSID) and network key must be set with the settings from **Tab settings for Setup / Basic Setup** on page 8-7.

7.1.3 Connection

PC (CompoMaster Net G5) ↔ access point
Via WLAN, **no** cable required.

CompoMat G5 ↔ access point
Via WLAN; USB WLAN stick required for the CompoMat G5.

7.2 Manual configuration of the LAN interface (PC)

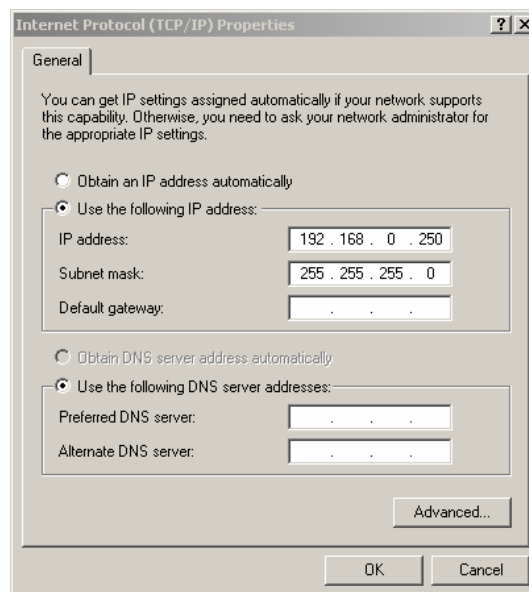
7.2.1 Properties of Internet Protocol (TCP/IP)



Note

For configuration with the CompoMaster Net G5, either a LAN interface or a WLAN interface will be configured (never both or several interfaces).

The PC's LAN interface must be configured as follows:



- Use the following IP address option
- IP address **192.168.0.250**;
- Subnet mask **255.255.255.0**



Note

Administrator rights are required for changing these settings.

7.2.2 Connection

PC (CompoMaster Net G5) ↔ network hub
Via LAN cable.

CompoMat G5 ↔ network hub
Via LAN cable.

7.3 Settings for the CompoMaster Net G5

After the network has been configured, the configuration of the CompoMaster Net G5 must be adjusted.



Note

Authorization level SL3 is needed for making the required changes.

In CompoMaster Net G5 select the **CompoMat G5 Parameter** command on the **Configuration** menu.

The dialog box shown below opens.

Select the entry 192.168.0.250 in the **Network IP-Address** field.



Note

More or fewer entries may be listed here.

If WLAN is used, then the entries in the **WLAN / Network** field must correspond to the entries in **Configuration of the access point** on page 8-3.



Note

After this setting has been configured in CompoMaster Net G5, CompoMaster Net G5 must be restarted.



Note

The values of the **WLAN-SSID** and **WLAN Password** fields can only be transmitted to CompoMat G5 devices if a network connection has already been established between CompoMat G5 and CompoMaster Net G5.

CompoMat G5 with factory settings

With its factory settings, CompoMat G5 devices always use the following values (when WLAN is used):

- SSID: **g5Net**
- (Network authentication = WPA-PSK) Cannot be changed
- (Data encryption = TKIP) Cannot be changed
- Network key = **CompoMasterNet**



Note

Should deviating values need to be used, then a connection must first be established via LAN cable so that the CompoMat G5 devices can receive the deviating values for the WLAN-SSID and WLAN Password fields from the CompoMaster Net G5.

7.4 Logging the CompoMat G5 on in CompoMaster Net G5

Preparation for the logon

In order for the CompoMat G5 and CompoMaster Net G5 to establish a connection, the CompoMat G5 must be logged on in the CompoMaster Net G5.

Logging on a CompoMat G5

Databases / Devices on page 3-75

If all data have been correctly entered, all logged on devices will be displayed in the main window of the CompoMaster Net G5.



Note

Data can only be transmitted to and received from CompoMat G5 devices if data have been recorded in the CompoMaster Net G5 and are connected to it.

7.5 Firewall restrictions

If a firewall has been installed on the CompoMaster Net G5 PC, then it must be configured so as not to block the following information:

CompoMaster Net G5 ← G5 = UDP Port 8000

CompoMaster Net G5 → G5 = UDP Port 8001

CompoMaster Net G5 ← G5 TCP Port 8002

CompoMaster Net G5 → G5 TCP Port xxxx (is allocated dynamically)

8 Appendix

8.1 Router configuration



Note

The **Wireless-G 2.4 GHz Broadband Router** has already been configured by the Fresenius Kabi. Reconfiguration is only necessary if the **Wireless-G 2.4 GHz Broadband Router** has been reset to its factory settings (e.g., by pressing the **Reset** button).

Purpose

This manual is used to configure the router for use in the CompoMat G5 / CompoMaster Net G5 network.

Target group

This manual is for service technicians and for the IT manager of the responsible organization.

The diagrams shown may differ from the actual image displayed on the PC screen depending on the operating system used.



Note

Basic knowledge of network technology is required for setting up the WLAN network.

8.1.1 Setting up the WLAN

8.1.1.1 Preparation on the PC

The **Wireless-G 2.4 GHz Broadband Router** by Linksys is configured via a web interface.



Note

The **Wireless-G 2.4 GHz Broadband Router** is referred to as **access point** in the rest of this manual.

After the access point has been activated, it must be connected with the PC by means of a network cable.



Note

Network conflicts with other DHCP servers

The access point may never be connected to another network.

Ports **1** to **4** can be used on the access point; only one port is typically available on the PC.

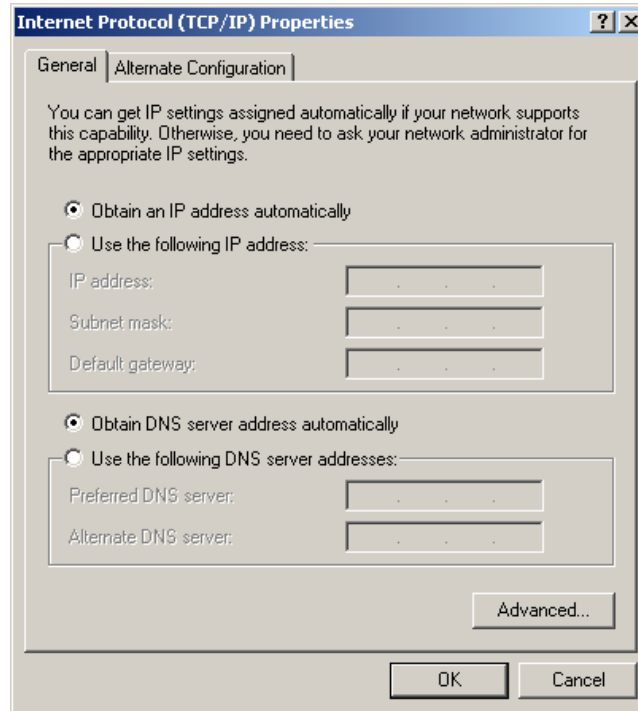


Note

The port designated **Internet** is **not** suitable for this.

IP configuration on the PC

The PC's LAN interface must be configured as follows:
(See the following figure.)



– The **Obtain an IP address automatically** option

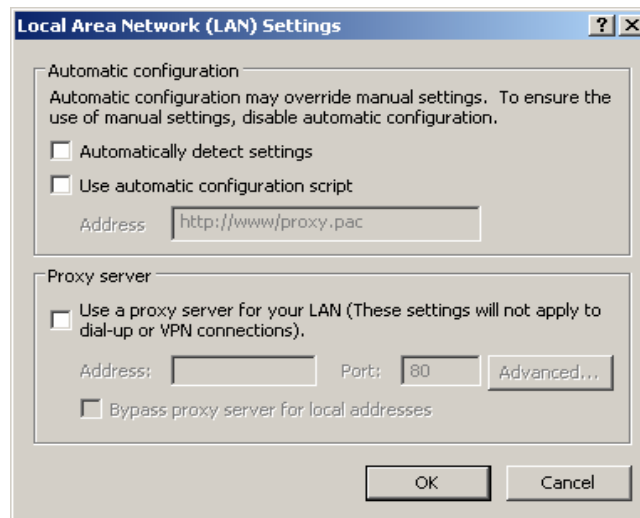
Administrator rights are required for changing this setting.

Use a browser (e.g. Internet Explorer or Firefox) to access the access point's web interface.



Note

The browser connection may not be established via a proxy (see setting in the next figure).



8.1.2 Configuration of the access point



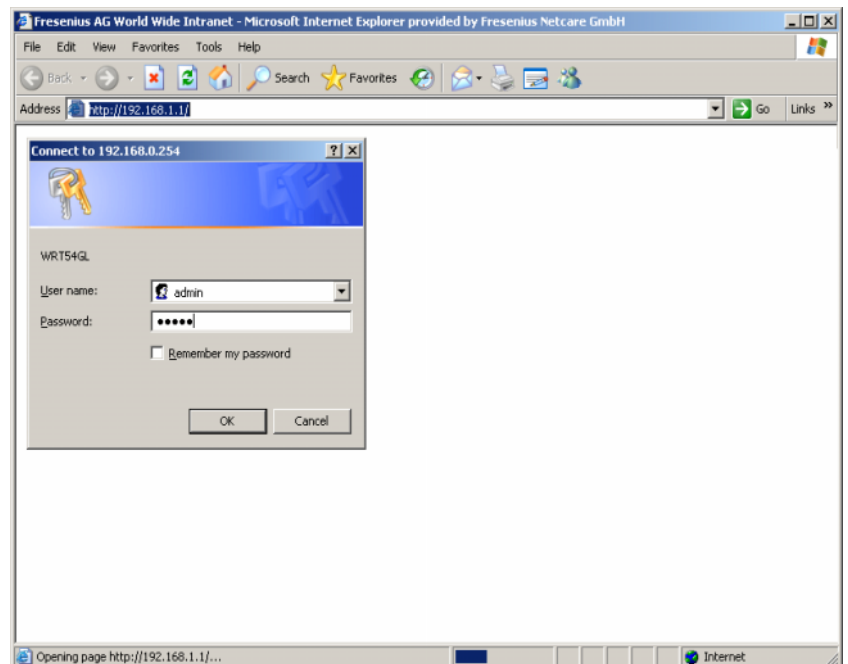
Note

The **access point** has already been configured by the Fresenius Kabi. Reconfiguration is only necessary if the **access point** has been reset to its factory settings (e.g., by pressing the **Reset** button).

8.1.2.1 Opening the web interface (access point)

Access to a router preconfigured by Fresenius

Entering the IP address **192.168.0.254** in the browser's address field queries the access data for the web interface (see following figure).



Access data for a router with factory settings

Enter the following access data:

- User name: **admin**
- Password: **admin**

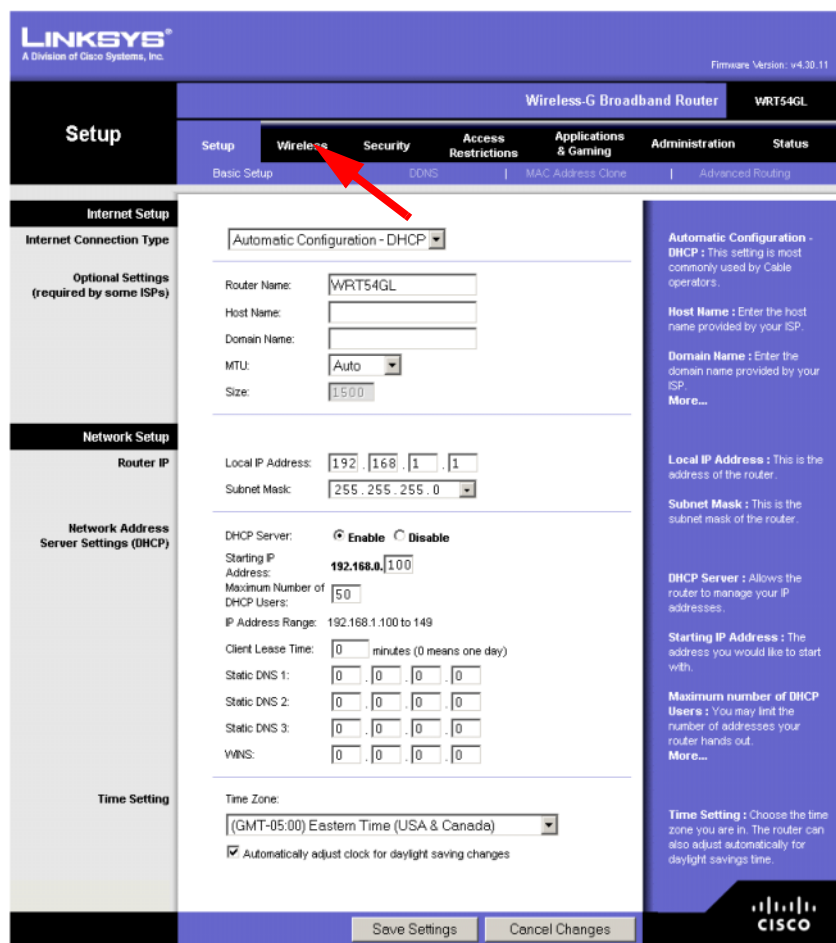
or

Access data for a router preconfigured by Fresenius

- User name: **admin**
- Password: **Master**

The web interface window opens (see following figure).

8.1.2.2 Wireless tab



Click the **Wireless** tab.

The **Basic Wireless Settings** tab opens.

Tab settings for Wireless / Basic Wireless Settings

The screenshot shows the Linksys WRT54GL wireless settings page. The 'Wireless Network' section is active, displaying the following configuration:

- Wireless Network Mode: **Mixed**
- Wireless Network Name (SSID): **g5Net**
- Wireless Channel: **6 - 2.437GHz**
- Wireless SSID Broadcast: **Enable**

A status message indicates 'SES Security Parameters Configured' with a 'Reset Security' button. The page also features a 'Save Settings' button and a 'Cancel Changes' button.

The following settings must be configured:

- Wireless Network Mode: **Mixed**
- Wireless Network Name (SSID): **g5Net**
- e.g. Wireless Channel: **6 – 2.437 GHz**

Saving changes

Click the **Save Settings** button to save changes.



Note

If a different Wireless network name (SSID) is to be allocated, then it must also be configured CompoMaster Net G5 as a CompoMat G5.



Note

Conflicts with other access points

Simultaneous operation of several access points with the same SSID is not possible and will result in conflicts.

Selection of the channel

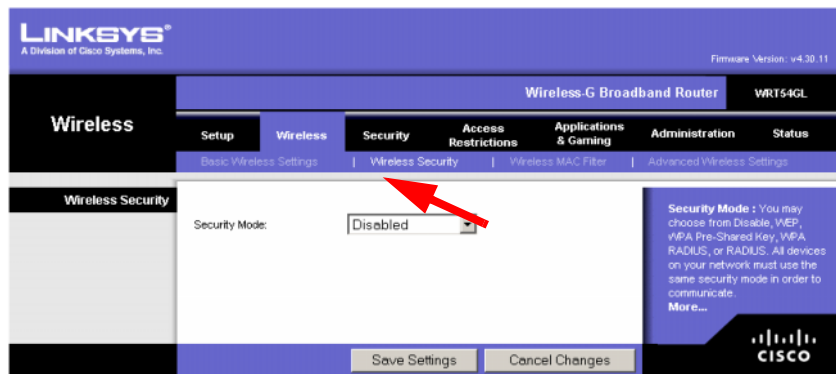
The channel should be selected based on the following criteria:

- Information on WLAN channels in the transmission and reception area that are in use and free, which must be provided by the responsible organization.
- The channel should be free. I.e. the channel should not be assigned in the transmission and reception area of the AP and the CompoMat G5 devices.
- The channel spacing to channels in use should be ≥ 5 . I.e. if channel 1 and channel 6 are already in use, channel 11 should be used.
- It is also possible that there are other sources of interference in the transmission and reception area of the WLAN (e.g. interfering microwave devices predominantly on channel 9 to 11). In this case it must be attempted to find an interference-free WLAN channel by trial and error.
- It may not be possible to find an interference-free WLAN channel that is also free. In this case the WLAN functionality cannot be used and a cable-based network must be used.

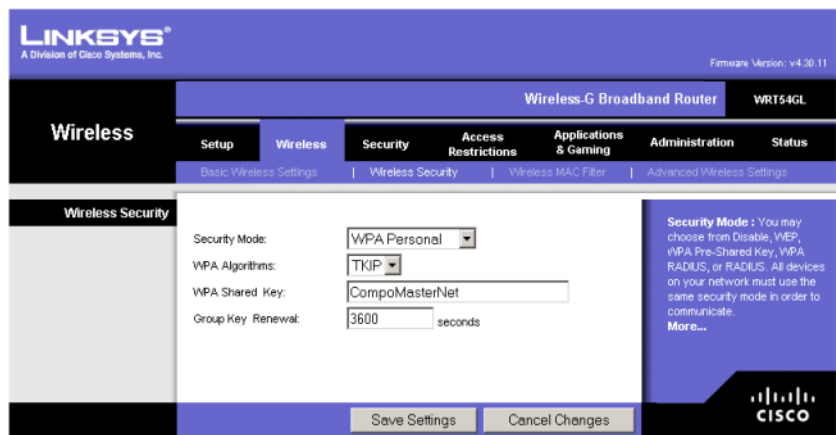
Tab settings for Wireless / Wireless Security

Click the **Wireless Security** tab.

The **Wireless / Wireless Security** tab opens.



Selecting the **WPA Personal** security mode expands the tab as follows.



The following settings must be configured on the **Wireless / Wireless Security** tab:

- Security Mode: **WPA Personal**
- WPA Algorithms: **TKIP**
- WPA Shared Key: **CompoMasterNet**
- Group Key Renewal: **3600** seconds



Note

If a different WPA shared key is to be allocated, then it must also be configured CompoMaster Net G5 as a CompoMat G5 parameter.

Saving changes

Click the **Save Settings** button to save changes.

8.1.2.3 Administration tab

Tab settings for Administration / Management

Click the **Administration** tab.

The **Administration / Management** tab is opened.

The screenshot shows the Linksys WRT54GL Administration interface. The top navigation bar includes 'Administration' and 'Status' tabs. The 'Administration' tab is active, and the 'Setup' sub-tab is selected. The main content area is divided into sections for 'Router Password', 'Web Access', 'Remote Router Access', and 'UPnP'. The 'Router Password' section has two password input fields. The 'Web Access' section has radio buttons for 'HTTP' (checked) and 'HTTPS', and 'Enable' (checked) and 'Disable' radio buttons. The 'Remote Router Access' section has radio buttons for 'Enable' and 'Disable' (checked), a 'Management Port' input field with '8080', and a 'Use https' checkbox. The 'UPnP' section has radio buttons for 'Enable' (checked) and 'Disable'. On the right side, there are help text boxes for 'Local Router Access', 'Web Access', 'Remote Router Access', and 'UPnP'. At the bottom, there are 'Save Settings' and 'Cancel Changes' buttons.

The following settings must be configured on the **Administration / Management** tab:

- Router Password: >> **Password** <<
- Re-enter to confirm: >> **Password** <<

Saving changes

Click the **Save Settings** button to save changes.

Tab settings for Setup / Basic Setup

Click the **Setup** tab.

The **Setup / Basic Setup** tab is opened.

LINKSYS
A Division of Cisco Systems, Inc. Firmware Version: v4.30.11

Wireless-G Broadband Router **WRT54GL**

Setup

Setup | **Wireless** | Security | Access Restrictions | Applications & Gaming | Administration | Status

Basic Setup | DDNS | MAC Address Clone | Advanced Routing

Internet Setup

Internet Connection Type: Automatic Configuration - DHCP

Optional Settings (required by some ISPs)

Router Name: WRT54GL

Host Name:

Domain Name:

MTU: Auto

Size: 1500

Network Setup

Router IP

Local IP Address: 192 . 168 . 0 . 254

Subnet Mask: 255 . 255 . 255 . 0

Network Address Server Settings (DHCP)

DHCP Server: Enable Disable

Starting IP Address: 192.168.0.100

Maximum Number of DHCP Users: 50

IP Address Range: 192.168.0.100 to 149

Client Lease Time: 0 minutes (0 means one day)

Static DNS 1: 0 . 0 . 0 . 0

Static DNS 2: 0 . 0 . 0 . 0

Static DNS 3: 0 . 0 . 0 . 0

WINS: 0 . 0 . 0 . 0

Time Setting

Time Zone: (GMT+01:00) France, Germany, Italy

Automatically adjust clock for daylight saving changes

Automatic Configuration - DHCP: This setting is most commonly used by Cable operators.

Host Name: Enter the host name provided by your ISP.

Domain Name: Enter the domain name provided by your ISP.

Local IP Address: This is the address of the router.

Subnet Mask: This is the subnet mask of the router.

DHCP Server: Allows the router to manage your IP addresses.

Starting IP Address: The address you would like to start with.

Maximum number of DHCP Users: You may limit the number of addresses your router hands out.

Time Setting: Choose the time zone you are in. The router can also adjust automatically for daylight savings time.

Save Settings | Cancel Changes

CISCO

The following settings must be configured on the **Setup / Basic Setup** tab:

- Local IP Address: **192.168.0.254**
- DHCP Server: **Disabled**
- Time Zone: **(GMT+01:00) France, Germany, Italy**

Saving changes

Click the **Save Settings** button to save changes.



Note

After changing these settings, the web interface can be accessed via the address 192.168.0.254. Because the access point is no longer operating as a DHCP server, the IP address of the PC-LAN interface or the PC-WLAN interface must now be allocated manually.