cobas® 8100 automated workflow series

Addendum 1.0 to Operator's Manual version 2.7
Software version 03-03

Document information

Document version	Software version	Revision date	Changes
1.0	03–03	April 2017	This addendum provides the following changes to the **cobas**® 8100 Operator's Manual version 2.7: • The **cobas**® 6500 urine analyzer series was added to the chapter *About the cobas 8100 automated workflow series*. • The troubleshooting procedure *To manually remove a rack from the connection line* was added to the chapter *Troubleshooting of the URF module*. • The section *Automatic masking and unmasking of online systems* was added to the introduction of the procedure *Masking online systems*. • The section *Instrument Masking* was added to the description of *The System Monitor window* in part *Software description*.

Table 1 Revision history

Edition notice This publication is intended for operators of the **cobas**® 8100 automated workflow series.

The **cobas**® 8100 automated workflow series consists of processing modules, connection components, and a control unit PC, that combine to create an automated processing system.

Every effort has been made to ensure that all the information contained in this publication is correct at the time of publishing. However, the manufacturer of this product may need to update the publication information as output of product surveillance activities, leading to a new version of this publication.

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General

This addendum provides the following changes to the **cobas**® 8100 Operator's Manual version 2.7:

- Chapter *About the cobas 8100 automated workflow series*:

  The **cobas**® 6500 urine analyzer series was added to this chapter.

- Part *Troubleshooting*, chapter Troubleshooting, sub-chapter *Troubleshooting the URF module*:

  The troubleshooting procedure *To manually remove a rack from the connection line* was added to this chapter.

- Part *Troubleshooting*, chapter *Limited Operation*, procedure *Masking online systems*:

  The section *Automatic masking and unmasking of online systems* was added to this chapter.

- Part *Software description* (Online help), chapter *The monitors*, description of *The System Monitor window*:

  The section *Instrument Masking* was added to this description.

Roche recommends that you familiarize yourself with the new or revised content provided in this addendum.

Revision 1: New analyzer added

In the chapter *About the cobas 8100 automated workflow series*, the **cobas**® 6500 urine analyzer series was added.

About the cobas 8100 automated workflow series

The **cobas**® 8100 automated workflow series is a fully automated system for sample workflow management. The system provides a modular and flexible approach to the processing of samples before and after online or offline analysis. The system is optimized for high-throughput workloads, allowing a range of sample types to be processed simultaneously and automatically.

The **cobas**® 8100 automated workflow series allows a range of configurable connections to online systems, including the **cobas**® 6000 analyzer series, the **cobas**® 8000 modular analyzer series, the **cobas**® 6500 urine analyzer series, the STAGO STA-R Evolution®, the STAGO STA-R Max®, the DiaSorin LIAISON® XL, the Sysmex XN-9000 analyzer, and post-analytical units including the **cobas**® p 501 and **cobas**® p 701.

Revision 2: New troubleshooting issue added

In the chapter *Troubleshooting*, the *Troubleshooting of the URF module* has been revised. The troubleshooting procedure *To manually remove a rack from the connection line* was added.

Troubleshooting the URF module

▶ To manually remove a rack from the connection line

If you start up the URF module and a connected **cobas®** 6500 urine analyzer series (online system) at the same time, the URF module tries to send one or more 5-position racks to the online system. If the online system is not ready, the 5-position racks will stay on the connection line of the URF module and prevent the URF module from completing its own initialization. Depending on the initialization status of the online system, you will not receive any alarm message. You must manually remove the racks from the connection line.

1. Lift up and remove the cover over the connection line of the URF module.
2. Use both hands to grasp the 5-position rack by the ends. Lift the rack upwards. Take care to keep the rack level.
3. If there are samples in the rack, manually load the rack onto the priority rack slot of the online system.
4. Replace the cover over the connection line of the URF module.

Revision 3: Information about automatic masking added

In the chapter *Limited Operation*, the introduction of the procedure *Masking online systems* has been revised. The section *Automatic masking and unmasking of online systems* was added to the introduction.

Masking online systems

If there is a problem with an online system that takes more than a few minutes to fix, then you can mask that online system. You can continue to send samples to other online systems.

When you mask an online system, the reformatter module connected to that system goes into *Offline* mode. Yellow and black stripes indicate that the online system is masked.

If you mask an online system, then samples scheduled to visit that online system go to the error sample lane of the IPB module, the error sample tray, or an alternative destination. The destination depends on your settings.

If the problem with the online system takes only a short time to fix, then you can pause the reformatter module connected to that system. This temporarily stops the reformatter module sending samples to the online system.

For more information about pausing reformatter modules, see *Troubleshooting problems with online systems*.

Automatic masking and unmasking of online systems

When there is no rack on the reformatter module (BRF module, RFX module), the connected online system is masked automatically. The samples go to the error sample lane of the IPB module, the error sample tray, or an alternative destination. The destination depends on your settings.

When the number of racks in the reformatter module is higher than the threshold value, the online system is automatically unmasked again.

When a reformatter module is masked automatically, you can also mask the module manually. In this case, **Masked (Manual)** is displayed to the reformatter module on the **System Monitor** window.

When there is no rack on the URF module, the module enters *S.Stop* mode.

When the number of racks in the URF module is higher than 0 and you press the **START** button, the URF module changes from *S.Stop* mode to *Operating* mode.

To reload samples stored in the offline destination, on the **Storage Monitor** window, choose the **Incomplete Samples** button. In the **Incomplete Samples** window select the samples to be reprocessed and then choose the **Reprocess Sample** button.

To manually mask and unmask online systems

If possible, wait until partially processed samples are finished processing before you mask an online system. If the Operator's Manual for the online system tells you to stop the online system immediately, then do not wait for samples to finish.

1. From the Global toolbar, choose **Menu > Masking > Instrument Masking**.

   The **Instrument Masking** dialog box is displayed.

2. On the **Instrument** list box, select the check boxes of the online systems that you wish to mask.

3. To apply your changes, choose the **Apply** button.

   The selected online systems are masked. On the **System Monitor** window, yellow and black stripes indicate that the online systems are masked.

4. To unmask one or more online systems, choose **Menu > Masking > Instrument Masking**.

5. On the **Instrument** list box, clear the check boxes of the online systems that you wish to unmask.

■

Revision 4: Information about instrument masking added

In the part *Software description* (Online help), the description of *The System Monitor window* has been revised. The section *Instrument Masking* was added to this description.

The System Monitor window

➔ **Global**

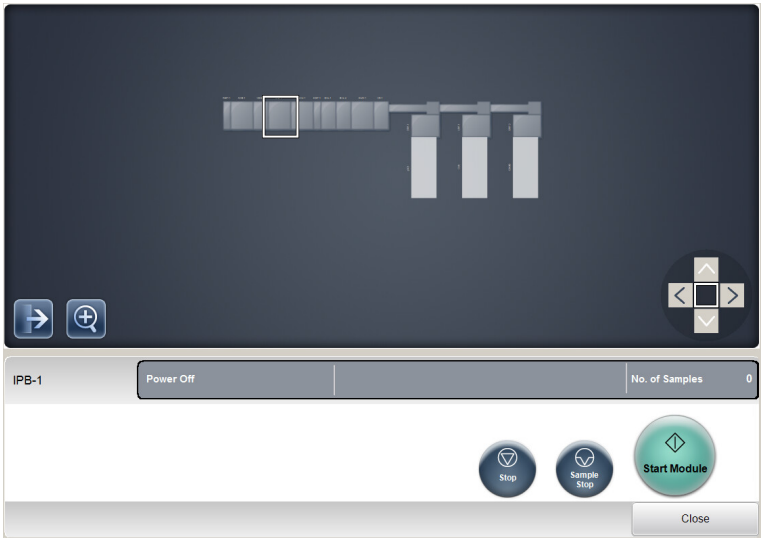

Figure 1 The **System Monitor** window, showing the information panel for the IPB module

The **System Monitor** window is the default window of the software.

The **System Monitor** window allows you to monitor and control individual modules and lines. Icons tell you the operating mode of the module or line and if there is an alarm for that module or line. You can see the location of primary sample tubes and aliquot tubes when you perform a search from the **System Monitor** window. When you choose a module or line, it becomes outlined with a white line. An information panel and module controls are displayed below the picture of the instrument.

Split-screen button

To see a zoomed-in view and a zoomed-out view of the instrument side-by-side, choose the Split-screen button.

Zoom button

To zoom in on a particular module or line, choose the Zoom button.

Navigation buttons

To move between modules and lines, choose the Navigation buttons. The Navigation buttons are only available when you are zoomed in.

Alarm icon

The alarm icon indicates that there is a problem with a specific module or line.

Primary sample icon

The primary sample icon indicates the position of a specific primary sample within the instrument.

Aliquot icon

The aliquot icon indicates the position of specific single aliquots within the instrument.

Aliquots icon

The aliquots icon indicates the position of multiple aliquots within the instrument.

Module offline icon

The module offline icon indicates that a module or line is in *Offline* mode.

Module function offline icon

The module function offline icon indicates that a function of the module or line is in *Offline* mode.

Online system masked icon

The online system masked icon indicates that an online system is masked, and that the connected reformatter module is in *Offline* mode.

Instrument Masking

No masked: The connected instrument is not masked.

Masked (Manual): The connected instrument has been masked manually.

Masked (Automatic): The connected instrument has been masked automatically, since there is no rack on the reformatter.

Stop

To change the operating mode of the instrument to *Stop* mode, choose the **Stop** button.

Sample Stop

To change the operating mode of the instrument to *S.Stop* mode, choose the **Sample Stop** button.

Start

To change the operating mode of the instrument to *Operating* mode, choose the **Start Module** button.

Close To close the information panel, choose the **Close** button.

Routine mode To change the operating mode of the instrument to *Operating* mode, from the drop-down list, choose the **Routine mode** option.

Door Open To open the centrifuge hatch of the ACU module, from the drop-down list, choose the **Door Open** option.

Leak Check To begin the leak check procedure, from the drop-down list, choose the **Leak Check** option on the AQM module.