cobas® 8000 modular analyzer series

Addendum to Operator's Manual V4.0
Replacement pages V4.0.2

Please replace the attached pages.

cobas® 8000 modular analyzer series

Operator's Manual
Software Version 04-01

Replacement page

Document information

Document version	Software version	Revision date	Changes
1.0	01-01	Jun. 2009	
2.0	02-01	Jan. 2010	**cobas e** 602 module added
3.0	03-01	Oct. 2010	**cobas c** 702 module added
4.0	04-01	Apr. 2013	General update including, by way of example: • New software features such as review of calibrator status, PT link, rack unloading, change rack priority, reagent pack masking • Revised software features such as download of applications, calibrators and controls • Hitergent was replaced by Ecotergent
4.0.1	04-01	May 2013	Manual cleaning revised
4.0.2	04-01	June 2013	Cleaning of pipetter probes revised

Table 1 Revision history

Edition notice This Operator's Manual is for users of the **cobas**® 8000 modular analyzer series.

The **cobas**® 8000 modular analyzer series is composed of two main components:

- The **cobas**® 8000 instrument includes the analytical modules, the control unit, and other core components.
- The **cobas**® 8000 data manager consists of a PC which coordinates data in real time between the instrument and the laboratory LIS.

  A separate Operator's Manual is available for the **cobas**® 8000 data manager.

Every effort has been made to ensure that all the information contained in this document is correct at the time of printing. However, Roche Diagnostics GmbH reserves the right to make any changes necessary without notice as part of ongoing product development.

Any customer modification to the instrument will render the warranty or service agreement null and void.

Intended use The **cobas**® 8000 modular analyzer series is a fully automated, random-access, software-controlled system for immunoassay and photometric analysis intended for qualitative and quantitative in-vitro determinations using a wide variety of tests.

The **cobas**® 8000 modular analyzer series is an in-vitro diagnostic (IVD) medical equipment.

It is important that the user reads the Operator's Manual thoroughly before using the **cobas**® 8000 modular analyzer series.

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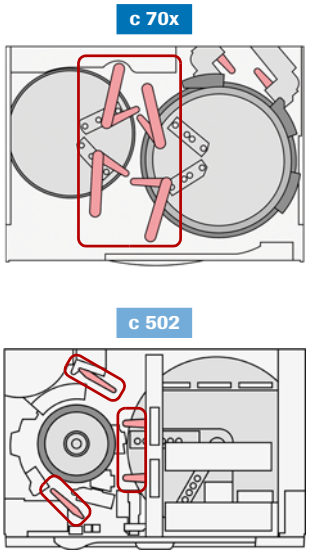
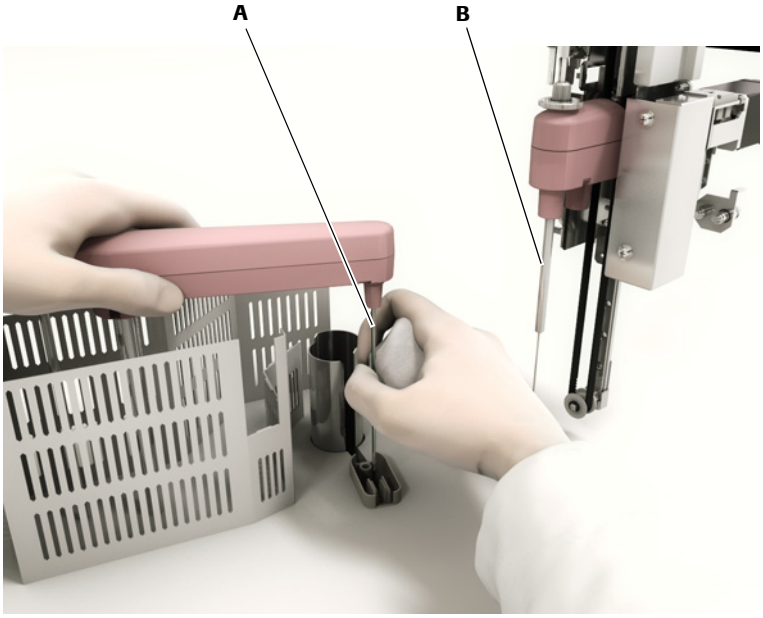
5 For **c** 502 modules: Open the top cover and the cover around the reagent probe additionally. Alarms are issued as the top cover is monitored by the interlock function.





A Sample probe (**c** 502 sample probe is used to show cleaning of all probes)
B Reagent probe

Figure 23-4 Cleaning the outside of the probes

6 Move the pipetter probes by hand to an accessible position.

7 Wipe the outside of the sample probe with a gauze pad moistened with alcohol:

- Always wipe from top to bottom.
- Hold the pipetter arm with one hand and wipe with the other.

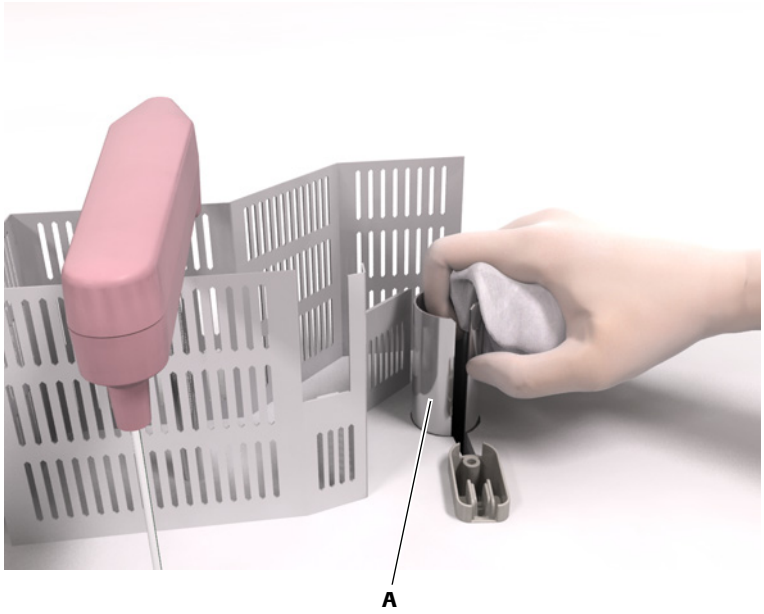
NOTICE

Damage to instrument surfaces

▶ Do not place a gauze pad moistened with alcohol on the instrument surface as the finish may be damaged.

Use a new lint-free gauze pad for each probe to prevent cross contamination.

c 502



A Shield pipe (exists only on **c** 502 modules)

Figure 23-5 Cleaning the shield pipe

8 For **c** 502 modules only: Also wipe the inside of the shield pipe (**A**) with a gauze pad moistened with alcohol.

9 Reattach and close all covers.

10 To terminate Manual Cleaning mode, choose **Cancel Maintenance** from the **Overview** menu. Afterwards perform maintenance item (1) Reset for the module concerned.

On **c** 701 and **c** 702 modules, additionally perform a reagent registration via **Reagent** > **Setting** > **Reagent Registration**.

Alignment and replacement of c 701 / c 702 reagent probes

Pipetter probes must be replaced if they are bent or damaged.

- Adjust the probe alignment after replacement or whenever the probe is not centered above the pipetting positions.
- For **c** 502 modules: The replacement of a probe can only be performed by persons who received a special training for extended maintenance tasks.

See:
Replacing the pipetter probes – elimination of clogging (p. 732)
To check the horizontal alignment of a probe (p. 736)

Cleaning cell rinse nozzles

Each day at the end of analysis, clean the cell rinse nozzles. Regular cleaning prevents contamination, crystal formation, and clogging. Crystallization of reaction solution on the outer surface of rinse nozzles may lead to inaccurate results or water overflow from reaction cell.

Replace a nozzle tip if its corner or bottom is worn.

See *Replacing nozzle tips on cell rinse nozzles* (p. 728)