AQURE system

Instructions for use

from software version 1.7

Contents

Introduction

<div style="text-align: right; font-size: 3em;">1</div>

About the AQURE system

The AQURE system lets you manage analytical devices and their operators. It manages issues related to the performance of these devices and helps you to resolve them quickly. It gives a continuous overview of device status and helps you comply with regulatory requirements. The system lets the user register samples and sends the results to the user and/or the HIS/LIS. The system has these parts:

- **Dashboard** shows key performance indicators (KPIs), device status, and issues.
- **Issues** is where you can explore, assign, resolve and record issues related to devices and operators.
- **Inspection ready** contains reports that record your compliance with your regulatory requirements.
- **Patient view** lets you filter patient lists and show sample results for each patient.
- The **AQURE FLEXLINK** system links together and saves the patient, operator and sampler ID data. When measured, the result is sent back to the patient bedside and/or the HIS/LIS system.
- **Device center** gives a list view display of all the devices connected to the AQURE system.
- **Operators** is where you add device operators and push the operator data to all your devices. You also monitor the performance of operators and assign courses.
- **Administration** is where you add, change and remove hospitals, departments and users of the AQURE system. You also manage courses and set up FLEXLINK profiles.
- **Help** shows the user instructions for the AQURE system.
- **About** shows the version of the AQURE system.
- **My profile** lets you edit your user data and subscribe to issues.

The help system

Click the **Help** tab shown in the menu bar of the AQURE system to access the online help.

This table describes the functionality of the symbols and buttons in the user interface of the help system:

Symbol and text buttons	Function
	Shows the navigation tree
	Hides the navigation window
	Goes to the previous help page

Symbol and text buttons	Function
➡	Goes to the next help page
🖨	Prints the current help page
📄	Opens the pdf version of the manual
Contents	Shows the Table of Contents
Index	Shows the Index
Search	Shows the Search function

Intended use

For in vitro diagnostic use.

The AQURE system is intended to let you manage analytical devices and operator profiles. The user can associate patient data with test data. The system shows test results.

The system receives data from connected devices at the point-of-care or laboratory. It can send test results to the HIS/LIS. The system lets you send commands to selected devices. The system uses data related to the performance of devices, to tell users of issues to be managed.

The AQURE system is intended for professional use.

Hazards

A hazard symbol shows which instructions an operator must obey to prevent risk to persons or equipment. There are two types of hazard.

Hazard type	Hazard symbol	Risk
WARNING	⚠	Death or injury to persons
CAUTION	⚠	Equipment damage

The Dashboard 2

What is the Dashboard?

The **Dashboard** page is the first page you see when you log on. The page shows widgets that are programs shown in small windows. An example of a widget is the **Latest QC status of all devices** widget.

At the top right of the **Dashboard** you can use these buttons:

- **Edit widgets**: To edit, add and remove a widget.
- **Change layout**: To change the layout of the **Dashboard**.

You can drag and drop the widget to move it.

The changed **Dashboard** layout and added widgets are there the next time you log on.

Related topics

Widgets

There are two types of widget - standard and graphical.

Related topics

Standard widgets

The system includes these standard widgets.

Widget	Explanation
Issue list	These widgets show a list of the top 5, 10 or 50 issues that are not closed
Number of POCT devices	This widget shows the number of point-of-care devices registered in the system
RSS feed	This widget shows the RSS feed from the entered web page

Graphical widgets

The system includes these **Graphical** widgets:

Widget	Description
Latest QC status of all devices	A pie chart of the latest QC status of all devices
Number of issues	A pie chart of all open issues
Number of my issues	A pie chart of all the user's open issues sorted by type of issue
Patient sample heartbeat	The number of patient samples received daily by the AQURE system for the last 30 days. The overview in this widget helps you to see if the number of patient sample measurements changed during a period of time.
QC heartbeat	The number of QC results, QC results with errors and QC results with range violations received by the AQURE system per day for the last 30 days. The overview in this widget helps you to see if the number of QC measurements has changed during a period of time. It also shows if an increased number of QC range violations or errors have occurred.

Related topics

- What is the Dashboard?, page 3

Working with issues

3

What is an issue?

An issue tells you when it is necessary to do something to make sure your devices give accurate results and when it is necessary to train operators. QC range and statistical period violations are examples of issues.

Related topics

• Issues created by the AQURE system, page 41

How are issues created?

Issues are created in two ways. They are automatically generated by the system or by users who create them manually.

The system automatically creates issues when:

- a connected device shows critical errors
- a QC result is received from an unknown operator
- a new device is connected to the system and requires your attention before it can be used
- a QC range violation occurs
- a calibration error occurs
- an operator performance error occurs
- a RiliBÄK rule is violated
- the evaluation of the monthly statistics fails.

Understanding the issues workflow

You see issues in a list view. When you select an issue, you can edit it and assign the issue to a person. Issues can have data such as graphs and measurement results that enable you to analyze them. Some issues have an **Explore** button that shows more facts about the issue. When you resolve an issue, you correct it and record its root cause and corrective action. When the issue is resolved the assignee can close it.

Select an issue

↓

Assign ┐

↓

Explore

↓   Documentation

Correct

↓

Close ┘
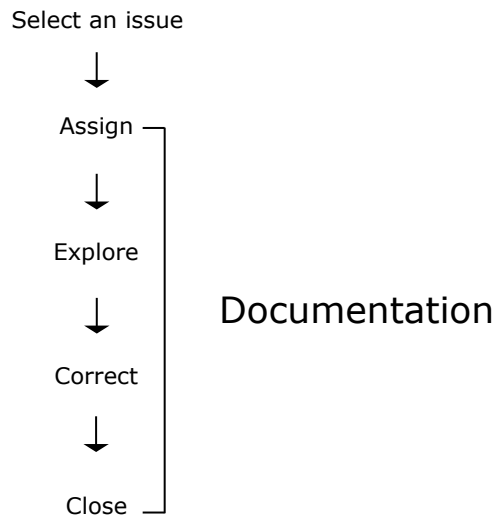
To resolve an issue

This is the general procedure to resolve an issue, for example a **Device error** issue. You can follow changes to an issue with the **Subscribe to issue** function.

1. From **Issues** click the issue.
2. Click the **Assign to me** button or select an assignee from the **Assignee** drop down lists.
3. Change the **Status** from **Open** to **In progress**.
4. Enter a comment about the issue in the **Comment** box.
5. Click the **Explore** button if you want to see more data about the issue.
6. Fill in the **Root cause** text field and click Save.
7. Complete the corrective action.
8. Fill in the **Corrective action** text field and click **Save**.
9. Make sure that the corrective action removed the root cause.
10. Change the **Status** from **In progress** to **Closed**.

To resolve a QC range violation issue

A **QC range violation** issue tells you that one or more parameters have violated the QC ranges. You can follow changes to an issue with the **Subscribe to issue** function.

1. From **Issues** click the issue.
2. Click **Assign to me** or select an assignee from the **Assignee** drop down lists.
3. Change the **Status** from **Open** to **In progress**.
4. Enter a comment about the issue in the **Comment** box.
5. Click **Subscribe to issue** or **Unsubscribe from issue** if you want or do not want to get an e-mail when the issue is updated.

6. Choose an option and follow the steps for it.

Option	Steps
To exclude a QC parameter from the statistics.	Deselect the parameter you want to exclude.
To add a comment about the included or excluded parameter.	Enter text in the **Include/exclude comment** box.
To see a graphical representation of the QC result.	Click the **Levey-Jennings plot** button.
To see if device activities occurred at the same time as the QC range violation.	**a)** Click the **Device messages** button. **b)** Point the cursor to the message in the time line.
To see if there is a trend in the analytical performance on all measured QC levels.	Click the **Trend across levels** button.
To see if there is a trend on other devices of the same type which use the same QC material.	Click the **Trend across devices** button.
To see the status of the device and possibly do actions on it.	Click the **Explore** button and go to the **Device center** for more information or to do actions.

7. Fill in the **Root cause** text field and click **Save**.
8. Complete the corrective action.
9. Fill in the **Corrective action** text field and click **Save**.
10. Make sure that the corrective action removed the root cause.
11. Change the **Status** from **In progress** to **Closed**.

To resolve a calibration issue

A **calibration issue** tells you that a calibration failed for one or more parameters. You can follow changes to an issue with the **Subscribe to issue** function.

1. From **Issues** click the issue.
2. Click **Assign to me** or select an assignee from the **Assignee** drop down lists.
3. Change the **Status** from **Open** to **In progress**.
4. Enter a comment about the issue in the **Comment** box.
5. Choose and option and follow the steps for it.

Option	Steps
To see the calibration results on the measured parameters.	Click the **Calibration result** button.
To see if device activities occurred at the same time as the calibration issue.	**a)** Click the **Device messages** button. **b)** Point the cursor to the message in the time line.
To see the status of the device and possibly do actions on it.	Click the **Explore** button and go to the **Device center** for more information or to do actions.

6. Fill in the **Root cause** text field and click **Save**.
7. Complete the corrective action.

8. Fill in the **Corrective action** text field and click **Save**.
9. Make sure that the corrective action removed the root cause.
10. Change the **Status** from **In progress** to **Closed**.

About the quick close function

The **Quick close** button makes it easy to close issues fast. You click the **Quick close** button to:

- save changes you have made to the issue
- assign yourself to an issue if there is no assignee
- close the issue
- show the next issue in the (filtered) list of issues.

To handle multiple issues

You can handle multiple issues in one operation.

1. Go to **Issues**.
2. Use the filter function to make a list of issues you are intrested in.
3. Choose an option and follow the steps for it.

Option	Steps
To select all issues in the list.	Select the check box shown on the left side of the **Type** heading.
To select individual issues.	Select all necessary check boxes in the list.

Note: you can only handle issues on one page at time. If you choose to **Save current view** you can use the **page count** field
to show a maximum of 100 issues per page.

4. Click the **Action** button.
5. Select actions and/or enter text for the selected issues.
6. Click the **Save** button.

About RiliBÄK rule violation issues

Note: These rules only apply to the German RiliBÄK setup of the AQURE system.

The AQURE system creates an issue when one of these RiliBÄK rules is violated:

Rule	Description
16 hour rule	1 QC must be measured successfully within 16 hours before a patient result is measured
24 hour rule	Within one calendar day on which a minimum of one patient sample has been measured a minimum of two different levels of QC must be measured successfully
Unit use device rule	Within a calendar week - one QC must be measured successfully before a patient result is measured
Low frequency device rule (less than 15 QCs per 3 months)	Within one calendar day on which a minimum of one patient sample has been measured a minimum of two different levels of QC must be measured successfully

About the add issue screen

From **Issues** you use the **Add issue** button when you want to add an issue of the type **Task** or **Maintenance**. You can also assign the issue to a person.

- The summary text that you enter is shown in the **Issues list**.

- An issue with the status resolved is solved but not closed. You use this status when the person who corrects and records the issue is different from the person who closes it.

Related topics

List views 4

About list views

You can create and save your own list views with selected data. You can create list views for:

- devices
- issues
- operators, and
- patient results.

For example, you can save a view that shows all devices with a **Warning** status and a view that shows open issues with a **High** severity.

To create your own list view

1. Choose an option and follow the steps for it.

Option	Steps
Sort columns	Click a column header to sort the contents in an alphanumerical sequence.
Filter items from a list	**a)** Click the **Add filter** buttons and select the items you want to see. **b)** Click **Filter**.
Sort by header (only devices and issues)	You can also drag and drop headings inside that row.
Expand or collapse a view in a list sorted by header (only devices and issues)	**a)** Click the down arrow to collapse the view . **b)** Click the up arrow to expand the view.

2. From the **Select view** drop down list, select **Save current view**.
3. Enter the name of the view and if you want the view to be the one you see the next time you enter the page click the **Default** box.
4. Select the number of items for each page.
5. Click **Save**.

Related topics

- About the add issue screen, page 9

About Search

From the respective parts of the AQURE system you can search for:

- devices
- issues
- operators,
- training course status, and
- patient results.

Inspection ready

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About reports

The system includes standard reports. They can help you record the status of your POC devices to show compliance with your regulatory requirements. You can see the reports online. You can also print or attach them to e-mails or export them in different file formats.
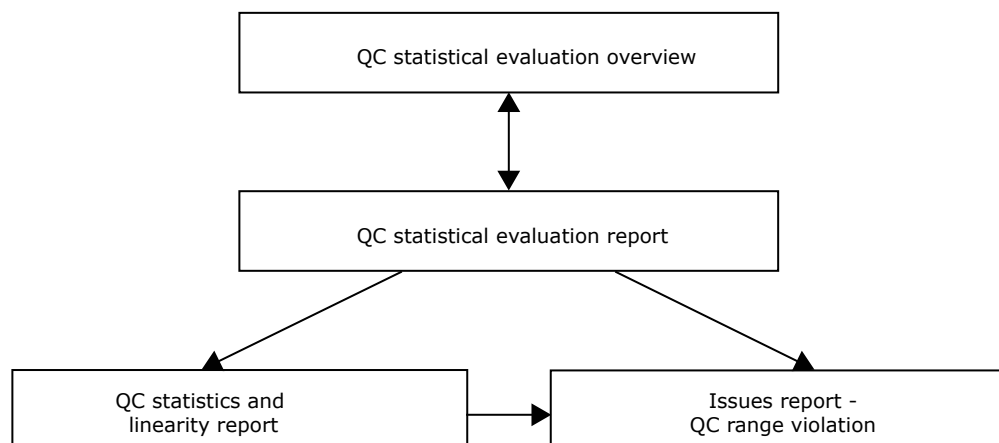
Related topics
- Links between reports, page 13
- Reports, page 14

Links between reports

The **QC statistical evaluation overview** shows an overview of the monthly quality control statistical evaluations. You can select to see statistics from two months to one year. Click on a square to open the **QC statistical evaluation** report and see more on bias and imprecision for a parameter on a device.
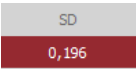
From the **QC statistical evaluation** report click a link to see details on parameter linearity or QC range violations. The illustration below shows the links between the reports.

```
            ┌─────────────────────────────────────────┐
            │   QC statistical evaluation overview    │
            └─────────────────────────────────────────┘
                               ↕
            ┌─────────────────────────────────────────┐
            │     QC statistical evaluation report    │
            └─────────────────────────────────────────┘
               ↙                              ↘
┌──────────────────────┐          ┌──────────────────────────┐
│  QC statistics and   │   →      │      Issues report -     │
│   linearity report   │          │    QC range violation    │
└──────────────────────┘          └──────────────────────────┘
```

Related topics
- About reports, page 13

Legend of QC statistical evaluation report

Icon or text	Explanation
✔	A green checkmark shows that the evaluation of the parameter did not violate any rules.
✗	A red X shows that the evaluation of the parameter violated the rules. The red X does not tell you if you are in compliance. You see the compliance status in the bottom right corner of the report.
SD 0,196	The table below the Levey-Jennings plot shows the result of the statistical evaluations. A red SD cell in the **Month-to-date** row shows that the monthly SD is greater than 150% of the lot to date SD. A red Bias cell in the **Month-to-date** row shows that the shift in bias from the period before is greater than the lot-to-date SD.
Text in right corner	The text in the bottom right corner of the report tells you if the issue has been closed. If there is no "Reviewed by" the issue is pending and you can be out of compliance.

Reports

The reports available in the system are:

Report	Description
Calibration report	This report shows all calibrations on one device during a period of time
Control cycle evaluation	This RiliBÄK report shows the evaluation of bias and imprecision for one control cycle. The evaluation is shown as the root mean square deviation. It shows the status for a device, a parameter, lot and level.
Current parameter range setup	This report shows the QC ranges for all parameters on all QC levels on each device in a hospital. The report shows a snapshot of the setup as it was when the report was generated.
Issues report	This report shows all issues for a selected period of time
Issues report - QC range violations	This report shows issues for QC range violations for a selected period of time
QCs excluded from statistical calculation	This report shows all QCs manually excluded from statistical calculations during a period of time
QC statistics and linearity	This report shows the linearity of a parameter for a selected period of time. The area of a circle shows how big the standard deviation is. There is an expectation that the area of a circle increases in proportion to the concentration of QC material for the parameter. The CV% shows if this increase is satisfactory. There is a systematic bias on the result if the slope of regression equation is different from 1.00 ± 0.1.

Report	Description
QC statistical evaluation	This report shows the monthly evaluation of bias and imprecision. The Levey-Jennings plot shows the QC status for one parameter, lot and level for a period of one month. The table below the Levey-Jennings plot shows the result of the statistical evaluations. An SD value on a red background in the Month-to-date row shows that the monthly SD was greater than 150% of the lot-to-date SD. A bias value on a red background in the Month-to-date row shows that the shift in bias from the previous period was greater than the lot-to-date SD.
QC statistical evaluation over-view	This report shows monthly evaluations for a selected period of time for a device, a parameter, lot and level. To see details of a monthly evaluation, click on a square.
QC status over-view	This report shows QC range evaluations for all the departments in all hospitals. A red square shows a QC range violation on any given device in a department. A green square shows that a device had no QC range violations. Click on a red square to see which device had one or more QC range violations.
QC status per department	This report shows QC range evaluations for all the devices in a department. It shows the status of QC range evaluations per day and per device. A red square shows one or more QC range viola-tions.

Related topics

- About reports,

Patient view

<div style="text-align: right; font-size: large;">**6**</div>

About the patient view

In **Patient view** you get a list of all patient results in the AQURE system. You can save a set of filters as a view. For example, you can save a view that shows all patient results from a specific department or device.

When you click in the patient list you see the 5 latest results from that patient and can browse to all the patient's results.

Note: The **Patient ID** is the unique patient identifier. If you want to see more results from the same patient in one view they need to have the same **Patient ID**.

To find a patient's results

1. Go to **Patient view**.
2. Use the filter, sort group or search functions to see the data you want to see.
3. Click the patient result.
   You see a maximum of the 5 latest results for that patient.
4.
   If necessary, use the ← button to see previous results for the patient.

Related topics
- About accessing patient results, page 24
- To create your own list view, page 11

The result page

You open the result page from the **Patient view** list. The result page has these buttons and symbols:

Buttons, symbols	Explanation
←	A button used to show a maximum of 5 previous results
→	A button used to show a maximum of 5 next results
Show messages/ Hide messages	A button used to show or hide error messages on the results with a question mark
Show ranges/ Hide ranges	A button used to show or hide the lower and upper limits of the reference range. The range is shown in square brackets
Information	A button used to show or hide the **Result status, Sample type**, **Sample number** and **Registration time**

Buttons, symbols	Explanation
More	A button used to show or hide the **Device type**, **Comment**, **Measuring mode** and **Sampler ID**
Measurement	A button used to show or hide the values of the measured parameters
Unknown	A button used to show or hide unknown measurements
?	An error occurred
▲	Result is above the reference range but below the upper critical limit
▼	Result is below the reference range but above the lower critical limit
▲	Result is above the upper critical limit but below the upper limit of the reportable range
▼	Result is below the lower critical limit but above the lower limit of the reportable range
▲	Result is above the upper limit of the reportable range but below the upper limit of the range of indication. No result is available.
▼	Result is below the lower limit of the reportable range but above the lower limit of the range of indication. No result is available.
-----	Result is outside the range of indication of the analyzer. No result is available.

To see device performance when the patient sample was measured

This procedure lets you see QC results and device messages created when the patient sample was measured:

1. Go to **Patient view**.
2. Click the patient result you want to examine.
3. Click a measurement value or the "…" symbol.
    The **Device center** opens.
4. Move the cursor to the ◆ icon.
5. Choose an option from the patient result time line, Levey Jennings graph or the Device messages and follow the steps for it:

Option	Steps
To see an overview of the patient/QC result or to see the device message.	Put the cursor on the result icon.
To see a QC target value.	Put the cursor on the dashed line.
To see details about a patient/QC result.	Cick the result icon.

AQURE FLEXLINK system

7

What is the AQURE FLEXLINK system?

The AQURE FLEXLINK system is part of Radiometer's 1st Automatic solution and lets you register patient, operator and sampler ID data at the patient bedside, with a barcode reader. It links together and saves this data and when the patient sample has been measured, the system sends the result to the bedside and/ or the HIS/LIS system.

To register a sample

The AQURE FLEXLINK system only works with Radiometer *safe*PICO samplers, ABL800 FLEX, ABL80 FLEX and ABL90 FLEX analyzers.

You can scan a maximum of 6 samplers for a patient.

1. ⚠ **WARNING – *Risk of patient mix up***
   Scan or enter patient ID. Check that the ID is entered correctly.

2. Scan or enter the operator ID.

3. ⚠ **WARNING – *Risk of patient mix up***
   Scan or enter sampler ID. Check that the ID is entered correctly.

4. Tap the touchscreen or click the mouse to enter more data.

5. ⚠ **WARNING – *Risk of incorrect treatment***
   Check that the data is entered correctly (for example the temperature and the FIO2 %).

6. Tap or click **OK**.

7. If necessary, scan more samplers.

8. Tap or click **Register**.

Related topics

To edit sampler data

You can edit sampler data if you have not registered it.

1. Choose an option and follow the steps for it.

Option	Steps
To edit the data for one sampler.	Tap in the sampler box and edit the data.
To delete the data for one sampler.	Tap the **X** in the sampler box.
To delete all data.	Tap the **Reset** button.

About the result page

The result page shows a maximum of 6 measured patient results. The latest result is always shown to the left side. You can use the right arrow to see older results and the down arrow to see all measurement values.

Related topics

The result page

The result page of the AQURE FLEXLINK system has these buttons, symbols and dates:

Buttons, symbols and dates	Explanation
✓	A button used for approval of the result
✗	A button used to reject the result. You must write a reject comment
Toggle ranges	A button used to show the lower and upper limits of the reference range. The range is shown in square brackets.
Register new	A button used to start a new registration session
?	An error occurred.
▲	Result is above the reference range but below the upper critical limit
▼	Result is below the reference range but above the lower critical limit
⏫	Result is above the upper critical limit but below the upper limit of the reportable range
⏬	Result is below the lower critical limit but above the lower limit of the reportable range
⏫	Result is above the upper limit of the reportable range but below the upper limit of the range of indication. No result is available
⏬	Result is below the lower limit of the reportable range but above the lower limit of the range of indication. No result is available
·····	Result is outside the range of indication of the analyzer. No result is available

Buttons, symbols and dates	Explanation
Registration time	The time the result was registered in the AQURE FLEXLINK system
The time shown at the top of each column	Shows the registered time until the Measuring Time of the sample is received and shown

Related topics

- About the result page, page 20
- To register a sample, page 19

To see patient results

With AQURE FLEXLINK system you can see a maximum of 6 registered patient results:

1. Scan or enter operator ID.
2. Scan or enter patient ID.
3. Click the patient icon at the top of the screen.

The Device center

<div style="text-align:right; font-size:2em;">**8**</div>

About the Device center

From the **Device center** you can see the status of the devices connected to the system. For some devices you can:

- see if it is connected to the system
- see the parameter status
- see if there are open issues for the device
- send commands to it
- access reports from the selected device
- quickly access it
- edit it

Note: If a device is not connected to the system, you will see the parameter status from the last time the device was connected.

You can group devices and filter devices. When you use the filter you will only see devices with the selected status, device type, hospital and department.

Related topics

To see all devices in a department

You can see all devices in a department from the **Device center** and save the page:

1. Go to the **Device center**.
2. Drag the **Hospital** column header to the row above.
3. Drag the **Department** column header to the row above.
4. From the **Select view** drop down list select **Save current view**.
5. Enter the name of the view.
6. Select the number of items for each page.
7. Click the **Save** button.

About issues explore view

When you click the **Explore** button you are redirected to more information about the issue, such as:

- **Patient results**

- **Parameter status**
- **Levey-Jennings plot**
- **Device messages**
- **Calibration trends on parameters**
- **Calibration status**
- **QC status**
- **Consumables**
- **Scheduled activities**
- **System messages**
- **Operator performance**.

About the timelines

For devices that support it, the **Device center** has a timeline for **Patient results**, the **Levey-Jennings plot** and **Device messages**. It lets you see the device activities and when they occurred in relation to each other. This helps you find the root cause of an issue.

To find device data within a time range

1. Go to the **Device center**.
2. If necessary, use the filter, sort group or search functions to see the device you want to see.
3. Click the device.
4. Enter the time range.
5. Click the **Filter** button.

About accessing patient results

You can access the patient result time line directly from the **Device center** or by clicking a measurement value from the patient result page.

You typically access a patient result time line from the **Device center** when you investigate device errors, and want to see if they had an effect on patient results. When you access the patient result time line from the patient result page you are typically interested in the patient result, and want to see if it was influenced by device errors.

Related topics
- To see a patient result from the Device center, page 25
- To find a patient's results, page 17

Patient result timeline

The time line has symbols that show the status of the patient results measured in the selected period:

Symbol	Description
■	The patient result was accessed from the **Device center** and has no errors or range violations
■	The patient result was accessed from the **Device center** and has at least one error or range violation
◆	The patient result was accessed from the patient result page and has no errors or range violations
◆	The patient result was accessed from the patient result page and has at least one error or range violation

To see a patient result from the Device center

This procedure lets you see if a device error has had an effect on patient results.

1. Go to the **Device center**.
2. Click the device that measured the patient result.
3. If necessary, change the **Show data from** period and click the **Filter** button.
4. Click the **Patient result** bar.
5. Click one of the red or blue squares.
   You see the result values.

Related topics
- About accessing patient results, page 24

Device messages

Three types of messages are recorded:

- **Info** - message contains information about the status of a device.
- **Warning** - message contains warning information about the status of a device.
- **Critical** - message contains information about a critical event or status of a device.

To start an action on a device

1. Go to the **Device center**.
2. Select a device and click **Device actions**.
3. Select an action and fill in any fields.
4. Click **Send**.

Related topics
- About the Device center, page 23
- Device actions for ABL90 FLEX analyzers, page 42
- Device actions for AQT90 FLEX analyzers, page 43
- Device actions for ABL800 FLEX and ABL700 series analyzers, page 44
- Device actions for ABL80 FLEX series analyzers, page 45
- Device actions for ABL5 analyzers, page 46

To lock a parameter

1. Go to the **Device center**.
2. Select a device.
3. Select a parameter.
4. Click **Lock**.

Related topics
- About the Device center, page 23
- Device actions for ABL90 FLEX analyzers, page 42
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- Device actions for ABL800 FLEX and ABL700 series analyzers, page 44
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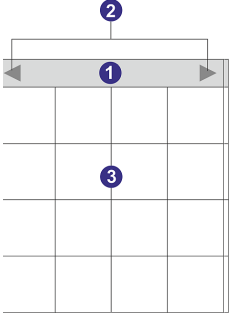- Device actions for ABL5 analyzers, page 46

Calendar

You use the Calendar in the **Device center** when you want to see more about a device and in **Operators** when you want to set the lock out date of an operator. The Calendar has 3 active areas where you can change the date:

Calendar	Description
	1. Title bar - Changes the calendar range by month, a year, 10 years or 100 years. 2. Left and right arrows - Increase or decrease the calendar range by the selected unit of time. For example, a month, a year, 10 years or 100 years. 3. Calendar - Decreases the calendar range by year or month depending on what was selected in the title bar.

Operator administration 9

About operator administration

In operator administration you can set up operator profiles and push them to devices connected to the AQURE system.

For each device type you see the required number of QC and patient measurements the operator should do during a calendar month. You see the number of currently completed measurements. This feature works for all device types. For Radiometer devices you can also see how many measurements failed and how many the operator is allowed to fail. Three days after the end of the calendar month the AQURE system calculates the performance of the operators. The period of three days gives operators time to register results from devices that have to be docked before they can send results to the AQURE system.

An issue is created if operators did not do sufficient QC measurements or patient samples or failed too many of them. When you click the **Explore** button from the operator performance issue you go to the **Operators** page where you can lock out or change their lock out date on a device type. If you close an operator's account, the operator cannot access the device associated with that account.

You can also assign courses to operators.

Related topics

To add operator data to the system

From the **Add operator** page you give the operator access to device types in different departments.

Note: From **Administration** > **Add user** you can create a user of the AQURE system and an operator at the same time.

1. Go to **Operators** and click the **Add operator** button.
2. Fill in the **Personal details**, the **Logon information** and select the **Hospital** and **Home Department** of the operator.
   Note: **Operator name** is mandatory.
3. Click **Save**.
4. To add more departments select **Hospital** and **Department** and click **Add**.
5. Select the operator **Role** for the device types.
   The role comes from the device. The operator has the same role on all devices of a type.
6. Set the **Lock out date** for the device types.
   The **Lock out date** is the date when the operator cannot operate the device.

7. Select **Active** to give the operator access to the device type.

8. Click the **Save** button.

Related topics

• About operator administration, page 27

To change the home department of an operator

1. Go to **Operators**.

2. Click the operator you want to edit.

3. Select the new **Home department** of the operator from the drop down list.

4. Click **Save**.

Related topics

• About operator administration, page 27

To send operator data to all devices

This procedure deletes all operator data on the devices and sends the operator data saved in the AQURE system to all devices.

1. Go to **Operators**.

2. Click **Push all operators**.

Related topics

• About operator administration, page 27

To send operator data to one device

This procedure sends operator data saved in the AQURE system to one device.

1. Go to **Device center** > *<the device you want to send data to>*.

2. Click the **Show operators** link.

3. Choose an option and follow the steps for it.

Option	Steps	
To edit operator data	**a)**	Click the operator you want to edit
	b)	Edit the operator data
	c)	Click **Save**
To add new operator	**a)**	Click **Add operator**
	b)	Follow the instructions in *To add operator data to the system*

4. Go to the **Device center** > *<the device you want to send data to>*.

5. Click the **Push operators** button.

Related topics

• About operator administration, page 27

To deactivate an operator or change the operator's lock out date

1. Click the **Explore** button from the **Operator performance** issue or go to **Operators**.
2. Select the operators.

   Note: An empty cell below an operator's name indicates that the operator has access to more device types. Select only the wanted device type for each operator.
3. Select an option from the **Actions** drop down list.
4. Click the **Push all operators** button.

To close an operator's account

When you close an operator's account, the operator cannot access any device type.

1. Go to **Operators**.
2. Select an operator.
3. Click **Close account**.

To search for operators' course status

This procedure lets you show operators' pending, non-assigned and/or completed courses:

1. Go to **Operators**.
2. From the filter group click the **Add filter** button below the **Courses** title.
3. Select the check boxes for the courses you want to search for.
4. Select the status from the list.
5. Click the **Filter** button.

Related topics

To assign a training course

Prerequisites:

- The course has been published
- The person that assigns the course must have a valid e-mail address

1. Go to **Operators**.
2. Use the filter function to make a list of operators.
3. Click the **Courses** radio button.
4. Select the course from the **Courses** drop down list.
5. Choose an option and follow the steps for it.

Option	Steps
To select all operators in the list.	Select the check box shown on the left side of the **Operator name** heading.
To select operators one by one.	Select all necessary check boxes in the list.

Note: you can only assign operators on one page at a time. If you select **Save current view** you can use the **page count** field to show a maximum of 100 operators per page.

6. Click the **Assign course** button.

Related topics

Course status

The **Operators** page has symbols that show the status of operator courses:

Symbol	Description
	One or more pending courses. Put the cursor on the icon to see more information.
	One or more courses were completed and passed. Put the cursor on the icon to see when the course was completed and its success rate.
	One or more courses were completed but not passed. Put the cursor on the icon to see more information.
	No pending courses
	No passed courses

Administration 10

The AQURE hospital model

About the AQURE hospital model

The AQURE system uses a hospital and department structure to group devices and operators into a logical model.

The AQURE server can manage one or more hospitals. Each hospital can have departments with devices and operators.

When you connect a device to the AQURE system for the first time, you find the new devices in the **Issues** list and the **Device center**. You must associate the device with a department in the hospital. Frequently this is the department where the device is. It can also be a department of your own making. You can for example combine the OR and Recovery departments into a new department if the operators of these departments use the same devices.

When you add operators you associate them with their home department. You select which device types they have access to and which role they have on each device type. A role could be **Operator** on a device of the type ABL90 FLEX analyzer. Such an operator can operate all ABL90 FLEX analyzers in her home department.

You can also give an operator access to devices in other departments. The operator has always the same role on all devices of a type. This also applies when the devices are in different departments.

If you move a device to a new department all operators of that device cannot use it until they are associated with that department.

If you add a new device of the same type to a department all operators in the department with access to that type will automatically be given access to the new device.

About Administration

You use **Administration** when you set up the system. Here you can:

- add, change and remove your hospital and departments
- find, change, enable/disable and remove users
- add new users
- show hidden devices
- add new reports for your system users
- manage courses
- set up FLEXLINK profiles

Related topics

User administration

About user administration

When you add users to the AQURE system they should be associated with hospital(s) and department(s). This lets them see all information related to their departments.

An administrator sees all the information available in the AQURE system and does not have to be associated with a department.

To add a new user

Prerequisite: You must log on as an **Administrator**.

1. Go to **Administration** and click the **Add users** button.
2. Enter the **Personal details**, the **Logon information** and the **Role(s)** of the user.
3. Select the operator box if the user is also to operate devices.
   This action adds the operator in **Operators**.
4. Click the **Save** button.
5. Select the user's **Hospital** and **Department**.
6. Click the **Add** button.
   This lets the user see data associated with the user's department.
   You can give the user access to more hospitals and departments.

To unlock a user

Prerequisite: You must log on as an **Administrator**.

A user who has tried to log on to the AQURE system 5 times without success is automatically locked out of the system. The administrator can unlock the user.

1. Go to **Administration**.
2. Click **List users**.
3. Click the user in the user list.
4. Click **Unlock user**.

Device administration

To add a device to a department

Prerequisites:

- You must log on as an **Administrator**
- The new device must be connected to the AQURE system

1. Go to **Issues**.
2. Enter "New device" and click **Search**.
3. Click the issue for the device.
4. Click the **Explore** button.
5. Click the **Edit device** button.
6. Select the **Hospital** and **Department** of the device from the drop down lists.

7. Enter a name for the device.

8. Click the **Save** button.

Related topics

About hidden devices

When you hide a device you cannot see it in the **Device center**. For example you do this to:

- remove a device from a department temporarily
- remove test devices
- limit the types of devices

You can see the hidden device in **Administration**. A hidden device continues to make issues if it is connected to the system. When you deselect the **Hide** box, you put the device back into operation. You can then see it again in the **Device center**.

Related topics

To hide a device

Prerequisite: You must log on as an **Administrator**.

1. Go to the **Device center** and select the device.

2. Click the **Edit device** button.

3. Select the **Hide** box.

4. Click the **Save** button.

Related topics

To show a hidden device

Prerequisite: You must log on as an **Administrator**.

1. Go to **Administration**.

2. Click **Hidden devices**.

3. Select the device you want to show and click the **Edit device** button.

4. Deselect the **Hide** box.

5. Click the **Save** button.

Configure parameter profiles

About the parameter profile

In **Configure parameters profiles** you can define profiles with parameters and input items for the FLEXLINK application. The profile in the FLEXLINK application corresponds to a test order that is sent to the analyzer when the operator scans the sampler ID.

The AQURE FLEXLINK system only works with Radiometer *safe*PICO samplers, ABL800 FLEX, ABL80 FLEX and ABL90 FLEX analyzers.

To create a parameter profile

Prerequisite: You must log on as an **Administrator**.

This procedure lets you configure parameter profiles for the FLEXLINK sampler registration page.

1. Go to **Administration**.
2. Click **Configure parameter profiles**.
3. Click the **Add** button.
4. Enter the name of the parameter profile.
5. Enter the **sort order** of the profile.
6. Click the **Save** button.

To add parameters to a profile

Prerequisite: You must log on as an **Administrator**.

1. Go to **Administration**.
2. Click **Configure parameter profiles**.
3. Click a profile in the list.
4. Click the **Add** button.
5. Select the parameter from the drop down list and click the **Add parameter** button.
6. Repeat step 4 for more parameters.
7. Click the **Save** button.

To add input items to a profile

Prerequisite: You must log on as an **Administrator**.

Note: For more information on how to add input items to a profile contact you local Radiometer representative.

1. Go to **Administration**.
2. Click **Configure parameter profiles**.
3. Click a profile in the list.
4. Click the **Add** button below the **Input items** heading.
5. Enter the name for the input item.
    This is the name that is shown on the FLEXLINK sampler registration page.
6. Enter the **key**.
    The mandatory key must be the same in the AQURE system and the analyzer. If there is a space in the key on the analyzer you must enter this as an underscore "_" in the AQURE system. The key must be unique within the profile.

7. Choose from these options:

Option	Description
Text	Example: "operator name".
Number	Example: "21" for the FIO2 %.
Floating point number	Example: "37.5" for the temperature 37.5 C.
List	Example: "Arterial, Venous" for a drop down list of sample types.

8. Enter a sort order.

This is the order in which the input items are shown on the FLEXLINK registration page.

9. If necessary, enter a default value.

For a list option the default value will automatically be selected in the drop down list.

10. If necessary, select from the list the parameter of the input item.
For example the input item "ventilator settings" could be attached to the parameter "FIO2 (%)".

11. Click the **Save** button.

Course administration

About managing and assigning training courses

In **Manage courses** you can add training courses to the AQURE system. You can edit the title and description of the course and publish it. You can also publish a new version of a course. From **Manage courses** you can run a published course to ensure that it is OK. You can retract a course to make it unavailable to operators and remove it from the course list.

In **Operators** you can assign a published course to operators. The operators receive the invitation to the course by e-mail. If the operator has no e-mail address the e-mail will be sent to the person who has assigned the course.

Related topics

To add a course

Prerequisites:

- You must log on as an **Administrator**
- The course must be in the Scorm 2004 format
- The course must be a .zip file

1. Go to **Administration** > **Manage courses**.

2. Click the button to start to add a new course.

3. If necessary, deselect the **Use title and description from course package if present** box and enter title and description.

4. Click the **Browse** button.

5. Select the course.

6. Click the **Open** button.

7. Click the ✔ button.
    The course is added and saved.

    Related topics
    • About managing and assigning training courses, page 35

To edit and publish a course

Prerequisites:

- You must log on as an **Administrator**
- You must have added the course

1. Go to **Administration** > **Manage courses**.

2. If the course has not been retracted (withdrawn) click the   button.

3. Click the 🖉   button shown on the right side of the course title.

4. Edit the title and/or description.

5. Click the ✔ button shown on the right side of the course title.
    The course is saved.

6. Click the   button.

    The course is published and can be assigned to operators.

    You can click the ▶ button to start the course.

    Related topics
    • About managing and assigning training courses, page 35
    • To retract and remove a course, page 37

To publish a new version of a course

Prerequisite: You must log on as an **Administrator**.

When you publish a new version of a course, it replaces the old course. Operators keep their course status from the previous version of the course.

1. Go to **Administration** > **Manage courses**.

2. Click the   button shown on the right side of the course you want to republish.
    The course is retracted.

3. Click the 🖉   button.

4. If necessary, edit the title and description of the course.

5. Click the **Browse** button and go to the new version of the course.

6. Select the course and click the **Open** button.

7. Click the ✔ button.
    The course is saved.

8. Click the   button.
    The course is published.

To retract and remove a course

Prerequisite: You must log on as an **Administrator**.

When you retract a published course it is not available to operators. When you remove a retracted course it is deleted from the **Manage courses** list in **Administration**. The course history is not deleted.

1. Go to **Administration** > **Manage courses**.
2. Click the ⬇ button shown on the right side of the course you want to retract.
3. Click the 🗑 button shown on the right side of the course you want to remove.

Related topics
- About managing and assigning training courses, page 35

RiliBÄK control range configuration

About RiliBÄK control ranges

You only see the RiliBÄK control ranges pages if the system is set up to comply with the German RiliBÄK regulations.

When you use the RiliBÄK control ranges it is necessary to calculate the laboratory established ranges for some parameters. If these ranges are too narrow you can use the manufacturer ranges.

Related topics
- To change to manufacturer ranges, page 37

To change to manufacturer ranges

Prerequisites:

- You must log on as an **Administrator**.
- The AQURE system must be set up for RiliBÄK use.
- The device must have received a minimum of one QC result.

Note: When you change from laboratory established ranges to manufacturer ranges we recommend that you clear this with the regulatory authorities.

1. Go to the **Device center**.
2. Select the device.
3. Click the **Edit device** button.
4. Click the **Configure ranges** button.
5. Select the **Parameter** from the drop down list.

   You can select parameters that are not in the B1a table or have a target value outside the B1a range.
6. Select the **Level** from the drop down list.
7. Click the **Use manufacturer ranges** button.

Related topics
- About RiliBÄK control ranges, page 37

To recalculate laboratory established ranges

Prerequisites:

- You must log on as an **Administrator**.
- The AQURE system must be set up for RiliBÄK use.
- The device must have transmitted a minimum of one QC result.

Note: When you change from laboratory established ranges to manufacturer ranges we recommend that you clear this with the regulatory authorities.

1. Go to the **Device center**.
2. Select the device.
3. Click the **Edit device** button.
4. Click the **Configure ranges** button.
5. Select the **Parameter** from the drop down list.

   You can select the parameters that are not in the B1a table or have a target value outside the B1a range.
6. Select the **Level** from the drop down list.
7. Click the **Restart calculations** button.

My profile

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To subscribe to issues

1. Go to **My profile**.
2. Select the **E-mail** box.
3. Choose an option and follow the steps for it.

Option	Steps
To receive an e-mail when an issue is changed or a new issue is added to the system.	Click the Subscribe to all issues link.
To receive an e-mail when you add a new issue, comment on an issue or when an issue is assigned to you.	Click the Subscribe to all issues related to me link.

4. Click the **Save** button.

Reference information

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Issues that the AQURE system creates

Issues created by the AQURE system

The table shows the issue types that the AQURE system can create. The text in angle brackets is replaced by a specific text received by the system.

The administrator of the AQURE system can, for each issue type, write standard operating procedures for the POC coordinators. The administrator can also use the table to find out which issue types should be enabled for the hospital.

Type	Severity	Summary	Description
Calibration	High	Device *<device name>*: Calibration failure	Calibration failed on these parameters *<parameter name>* for device: *<device name>*
Device error	High	Device *<device name>* has an error	All errors with the status Critical from Radiometer devices
Operator performance	High	*<Number of failed operators>* out of *<total number of active operators>* operators did not satisfy the performance targets for *<month>*.	*<Number of failed operators>* out of *<total number of active operators>* operators did not do the required number of QC/ patient measurements and/or they had too many QC/patient measurements that failed in *<month>*
QC range violation	High	QC range violation for *<device name>* on *<parameter(s)>*	QC ranges for *<device name>* have been violated on the these parameter(s): *<parameter(s)>*
Rule violation	Normal	Liquid QC missing for device: *<device name>*	Liquid QC for unit use device: *<device name>* is missing. See RiliBÄK section 2.1.5 (2).
Rule violation	Low	RiliBÄK rule violation on device: *<device name>*. See section 2.1.1 (2).	Device: *<device name>* must do a QC measurement within 16 hours prior to patient measurements. See RiliBÄK section 2.1.1 (2).

Type	Severity	Summary	Description
Rule viola-tion	Low	RiliBÄK rule violation on device: *<device name>*. See section 2.1.1 (2) or section 2.1.6 (1).	RiliBÄK sections 2.1.1(2) and 2.1.6(1) require two QC measurements within a calendar day of 24 hours
Statistical period viola-tion	Normal	Root mean square deviation for *<device name>* on *<parameter(s)>* is too high	The root mean square deviation for the control cycle is greater than the allowed maximum root mean square deviation
Statistical period viola-tion	Normal	Statistical evaluation violation for *<device name>* on *<parameter(s)>*.	The monthly SD is greater than 150% of the lot-to-date SD and the difference in mean compared to the previous month's mean is greater than the lot-to-date SD
Statistical period viola-tion	Normal	Statistical evaluation violation for *<device name>* on *<parameter(s)>*	The monthly SD is greater than 150% of the lot-to-date SD
Statistical period viola-tion	Normal	Statistical evaluation violation for *<device name>* on *<parameter(s)>*	The difference in mean compared to the previous period's mean is greater than the lot-to-date SD
Task	Normal	New device *<device name>*	When a new device is connected to the system it must be registered
Task	Normal	New operator *<operator name>*	Operator *<operator name>* was not registered in the system when a QC result arrived from device *<device name>*. Register the operator in the system
Task	Low	Operator missing. *<device name>*	The QC result has no operator. You must add an operator to it.

Related topics

- What is an issue?, page 5

Device actions for Radiometer analyzers

Device actions for ABL90 FLEX analyzers

Depending on the state of the analyzer you can send these device actions to the ABL90 FLEX analyzers:

Command	Action on ABL90 FLEX analyzer	Purpose
Calibration	Starts a calibration of all parameters	To recalibrate the analyzer, all parameters
Rinse	Starts a complete rinse of the analyzer.	To remove traces of a sample, calibrating solution or a QC solution from the liquid transport system
Tubing refill	Refills the transport system with liquid from all consumable bottles	To remove possible air bubbles from the calibration solutions
Liquid sensor adjust	Fills and empties the liquid transport system	To measure and adjust the Empty and Full sensor settings for all Liquid Sensors
Cleaning	Starts a complete cleaning program	To clean all pathways where blood or quality control solutions can travel. You use this to remove built up protein, lipid or other blood products.
Pump calibration	Rotates and calibrates the pumps	To make sure that the pumps function correctly. During troubleshooting, helps to remove the possibility of a damaged pump tubing.
Lock analyzer	Locks the analyzer. Calibrations and QC schedules can still take place.	To prevent analysis of blood samples. This is often used if there is an analyzer problem.
Lock parameter	Locks the parameter on the analyzer	To prevent analysis of a parameter. The message you type is shown on the analyzer screen and saved in the activity log of the analyzer.
Unlock parameter	Unlocks the parameter on the analyzer	To enable analysis of a parameter
Unlock analyzer	Unlocks the analyzer	To return analyzer from Locked to Ready state
Set analyzer message	Shows a message on the screen of the analyzer. Messages can be added, edited or deleted.	To send a message to operators of the analyzer. For example: please use a different analyzer.
Start built-in QC	Starts the internal solution(s) for the entered slot (A, B or C)	To evaluate analyzer performance to ensure the reliability, accuracy and precision of patient sample results

Related topics

Device actions for AQT90 FLEX analyzers

Depending on the state of the analyzer you can send these device actions to the AQT90 FLEX analyzers:

Command	Action on AQT90 analyzer	Purpose
Lock analyzer	Locks the analyzer. Calibrations and QC schedules are not locked.	To prevent analysis of blood samples. This is used if there is an analyzer problem.
Lock parameter	Locks the parameter on the analyzer	To prevent analysis of a parameter. The message you enter will be shown on the analyzer screen and saved in the activity log of the analyzer.
Unlock parameter	Unlocks the parameter on the analyzer	Enables analysis of a parameter
Unlock analyzer	Unlocks the analyzer	Return analyzer from Locked to Ready state.
Set analyzer message	Shows a message on the screen of the analyzer. Messages can be added, edited or deleted.	To send a message to operators of the analyzer. For example: please use a different analyzer.

Related topics
- About the Device center, page 23
- To start an action on a device, page 25
- To lock a parameter, page 25

Device actions for ABL800 FLEX and ABL700 series analyzers

Depending on the state and type of the analyzer you can send these device actions to the ABL800 FLEX and ABL700 series analyzers:

Command	Action on ABL800 FLEX and ABL700 series analyzer	Purpose
1-point calibration	Initiates a 1-point calibration of all parameters	Recalibrate the analyzer, all parameters
2-point calibration	Initiates a 2-point calibration of all parameters	Recalibrate the analyzer, all parameters
Rinse	Initiates a complete rinse of the analyzer	To remove traces of a sample, calibrating solution or a QC solution from the liquid transport system
Refill/Tubing refill	Refills the transport system with liquid from all consumable bottles	To remove any possible air bubbles from the calibration solutions
LS adjust/ Liquid sensor adjust	Fills and empties the liquid transport system	To measure and adjust the Empty and Full sensor settings for all Liquid Sensors
Cleaning	Initiates a complete cleaning program	Clean all pathways where blood or quality control solutions can travel. Particularly for removing built up protein, lipid or other blood products.

Command	Action on ABL800 FLEX and ABL700 series analyzer	Purpose
Pump(s) cali-bration	Pumps can be rotated and calibrated	Ensure correct function of the pumps. During troubleshooting, helps to eliminate the possibility of a damaged pump tubing.
Interrupt activity	Interrupts any initiated function currently running on the analyzer (regardless of whether remotely or locally initiated)	Return analyzer from Busy to Ready state
Enter standby	Enters analyzer into standby. Calibration and QC schedule is suspended.	Reduce consumption of solutions when the analyzer is not being used. Enter StandBy - Enter date and time you wish the analyzer to automatically exit standby.
Exit standby	Exits standby. The highest rated pending or overdue calibration is initiated within three minutes of exit standby.	Return analyzer from stand-by to Ready state including ensuring the analyzer is correctly calibrated
Unlock analyzer	Unlocks the analyzer	Return analyzer from Locked to Ready state
Lock analyzer	Locks the analyzer. Calibra-tions and QC schedules are not suspended.	Prevent analysis of blood samples. This is particularly used if there is an analyzer problem.
Set analyzer message	Displays a message on the screen of the analyzer. Messages can be added, edited or deleted.	To send a message to operators of the analyzer. For example: please use a different analyzer.
High crea check measure	Checks the analyzer performance at a high crea-tinine level	Allows performance of an unsched-uled high crea check - either as part of a troubleshooting or just to satisfy a wish for an extra check.

Related topics

Device actions for ABL80 FLEX series analyzers

Depending on the state of the analyzer you can send these device actions to the ABL80 FLEX series analyzers:

Command	Action on ABL80 FLEX series analyzer	Purpose
System cycle	Initiates a calibration and 3 levels of automatic QC	To troubleshoot a failed parameter
Rinse	Initiates a complete rinse of the analyzer	To remove traces of a sample, calibrating solution or a QC solution from the liquid transport system
Lock analyzer	Locks the analyzer. Calibrations and QC schedules are not suspended.	Prevent analysis of blood samples. This is particularly used if there is an analyzer problem.
Unlock analyzer	Unlocks the analyzer	Return analyzer from Locked to Ready state
Set analyzer message	Displays a message on the screen of the analyzer. Messages can be added, edited or deleted.	To send a message to operators of the analyzer. For example: please use a different analyzer.

Related topics

Device actions for ABL5 analyzers

Depending on the state of the analyzer you can send these device actions to the ABL5 analyzers:

Command	Action on ABL5 analyzer	Purpose
1-point calibration	Initiates a 1-point calibration of all parameters	Recalibrate the analyzer, all parameters
2-point calibration	Initiates a 2-point calibration of all parameters	Recalibrate the analyzer, all parameters
Rinse	Initiates a complete rinse of the analyzer	To remove traces of a sample, calibrating solution or a QC solution from the liquid transport system
Enter standby	Enters analyzer into standby. Calibration and QC schedule is suspended.	Reduce consumption of solutions when the analyzer is not being used. Enter StandBy - Enter date and time you wish the analyzer to automatically exit standby.
Exit standby	Exits standby. The highest rated pending or overdue calibration is initiated within three minutes of exit standby.	Return analyzer from stand-by to Ready state including ensuring the analyzer is correctly calibrated
Unlock analyzer	Unlocks the analyzer	Return analyzer from Locked to Ready state

Command	Action on ABL5 analyzer	Purpose
Lock analyzer	Locks the analyzer. Calibrations and QC schedules are not suspended.	Prevent analysis of blood samples. This is particularly used if there is an analyzer problem.
LS adjust/Liquid sensor adjust	Fills and empties the liquid transport system	To measure and adjust the Empty and Full sensor settings for all Liquid Sensors

Related topics

- About the Device center, page 23
- To start an action on a device, page 25
- To lock a parameter, page 25

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System performance

The procedures described in this manual must be observed in order to ensure proper system performance, and to avoid hazards.

Radiometer cannot provide or verify system performance characteristics if the system is not installed, used and maintained in accordance with Radiometer procedures or if accessories not meeting the specifications provided by Radiometer are used.

Radiometer warrants that the data media on which the software included in the system is furnished is free from defects in material and workmanship under normal use for three (3) months from the date of delivery as evidenced by a copy of invoice or receipt.

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By using the system, you accept the terms of the Software License Agreement(s) of the provider(s) of the software as shown in the End User License Agreement(s) delivered with the AQURE system. If you cannot accept the terms of the Software License Agreement(s), you should not use the system, but immediately contact your provider for a return of the system and a refund of the purchase price.

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If you have any questions or need assistance, please contact your local Radiometer representative.

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Code number: 995-086
Version: 201302E

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