SIEMENS Healthineers

POCcelerator™

Point of Care Ecosystem Enabled

Configuration Guide
epoc Reader and epoc Host/ epoc NXS Host

from software version 6.3

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Origin DE
Siemens Healthcare Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097 USA

Global Siemens Headquarters
Siemens AG
Wittelsbacherplatz 2
80333 Muenchen
Germany

Siemens Healthineers Headquarters
Siemens Healthcare AG
Siemensstr. 3
91301 Forchheim
Germany
Phone: +49 9191 18-0
siemens-healthineers.com

Global Division
Siemens Healthcare
Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097
USA
www.siemens.com/diagnostics

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1 Introduction

This configuration guide describes the use of the POCcelerator Data Management System software to configure the epoc Blood Analysis System[1] manufactured by Siemens Healthineers that consists of an epoc Reader and epoc Host or epoc NXS Host.

This manual explains the model-specific configuration settings of the epoc Reader and epoc Host/epoc NXS Host, using the epoc Host as an example. Refer to the *POCcelerator User Manual* for all general information on the use of the POCcelerator Data Management System software.

Please read this manual for step-by-step instructions and illustrations on how to configure the devices before placing them in service.

2 Scope

This configuration guide is intended for users with a basic knowledge of the POCcelerator application.

3 Intended Use

The POCcelerator Data Management System software allows you to configure and use the epoc Reader and epoc Host as well as epoc NXS Host with POCcelerator. The POCcelerator product is not for diagnostic use.

4 EVAD File and Firmware Updates

Siemens Healthineers releases periodic updates to the epoc System Software and Electronic Value Assignment Datasheets (eVAD files).

EVAD files provide current ranges and expiration dates for all valid quality control (QC) fluids, calibration verification (CV) fluids, and sensor configuration versions in a single file. These files are published 6 to 8 times a year as needed.

When connected to the POCcelerator Data Management System via Meditrac, you can install these updates using this procedure.

4.1 Configuration

Follow the steps below to confirm the epoc driver version.

Note: For Meditrac infrastructure questions, contact your POC manager or local IT department.

Procedure:

1. On the Meditrac server, open the Windows Explorer.
2. Navigate to the folder where the epoc driver is located. The path might look like this: **<Installation Drive>:\SiemensPOC\Epoc**
3. Right-click the **DLP_Epoc.exe** file, click **Properties**, then click on the **Details** tab.
4. Confirm that the file version is 6.6.25.10 or greater.

If your version of the epoc driver is below this version, contact your POC Informatics Customer Service to install an updated driver.

4.2 Download Requirements

POC Informatics Customer Service will work with you to set up folder sharing for the **EpocUpdates** folder and restrict read/write access to it to specific users only.

Users responsible for performing upgrades map the **EpocUpdates** folder to their local computer to avoid modifying other folders.

The mapping of the **EpocUpdates** folder to your local computer is also done with POC Informatics Customer Service. You should avoid changing other folders, as this may result in unexpected behavior in Meditrac. Instead, it is both more convenient and lower risk to map the drives locally.

[1] Valid from epoc reader and host firmware version 3.35.4a and epoc NXS Host firmware version 4.8.x

Note: You can only perform the following steps such as download and upgrade of the epoc System Software and eVAD files if you have access to the shared folder. Otherwise, contact your local IT department so that they can work with POC Informatics Customer Service to set up the folder.

4.3 Download the Latest epoc System Software and eVAD Files

The epoc update and eVAD files are found in the Siemens Healthineers Document Library:
Document Library - Siemens Healthineers

Procedure:

1. Register on the Siemens Healthineers Document Library to download the files.
2. Search for the string **epoc software**.
3. Check the box to the left of each eVAD and System Software update file's title.

   Note: epoc Hosts and epoc NXS Hosts have different update files, named **epoc.x.yy.zz** and **epocNXS.x.yy.zz**, respectively. Download the applicable files for your epoc systems.
4. Once all files are selected, click the **Download** button at the top of the page.

   Note: eVAD files are common to both epoc Hosts and epoc NXS Hosts. Download the latest **epocXXXXX.eVAD** file to upgrade to the latest version. Do not download any eVAD files with the word "old" in the filename.
5. The files will be downloaded as a single *.zip archive. Do not download this file directly to the **EpocUpdates** directory.
6. Unzip the downloaded file into its individual files.

   The epoc System Software and eVAD files will each be contained in their own *.zip archive. It is not necessary to unzip these files.

4.4 Upgrade the epoc eVAD File

Procedure:

1. Place the **epocXXXXX.eVAD.zip** folder into the **EpocUpdates** datalink folder you previously mapped to your local computer.

   Note: Do not place the *.zip file into any of the subfolders of the **EpocUpdates** folder. Meditrac will automatically unzip and delete the *.zip file once the contents have been extracted. Any older eVAD versions in the **EpocUpdates** folder will be archived.
2. Meditrac compares the eVAD version on each epoc Host to the version in the **EpocUpdates** folder.
3. If the version in the **EpocUpdates** folder is newer, the epoc Host will be updated to the newer version.

   Note: Meditrac will only use eVAD files in the **EpocUpdates** folder and ignore eVAD files in any of the subfolders. All epoc Hosts will be updated to the latest eVAD version.

4.5 Upgrade the epoc System Software

There are several options for upgrading the epoc System Software. The upgrade can be applied to **all** epoc Hosts, to epoc Hosts within a location in POCcelerator, or to individual epoc Hosts, by placing the upgrade file in the appropriate folders.

An upgrade strategy is recommended, as sending large updates to hundreds of devices at once could likely overload the system and network.

Note: The epoc NXS firmware updates can be quite large when they include also an operating system update. If the driver finds multiple upgrade files in the same folder (or subfolder), the newest version will be identified and used to upgrade the epoc Hosts.

Older versions found in the **EpocUpdates** folder are moved to the **_archive** subfolder. Older versions found in the **_BY_LOCATION** and **_BY_DEVICE_ID** subfolders are deleted.

The driver needs some time to extract the parts of the file (operating system and epoc software). Depending on the file size and the system resources this can take a few minutes.

After upgrading your epoc Hosts, refer to the *epoc User Manual* for information on upgrading your epoc Reader firmware, if applicable.

4.5.1 Upgrade All epoc Hosts

Procedure:

1. Copy the **epoc.x.yy.zz.zip** and/or **epocNXS.x.yy.zz.zip** files to the **EpocUpdates** folder.
   The current firmware version of epoc Hosts will be checked against the version in the **EpocUpdates** folder.
   Note: If the version in the **EpocUpdates** folder is newer, the epoc Host will be upgraded.

4.5.2 Upgrade epoc Hosts by Location

Within the **EpocUpdates_BY_LOCATION** subfolder, there is a folder for each Location (Department) in your facility, with the name format **HOSPITALNAME_DEPARTMENTNAME**.

Procedure:

1. Copy the **epoc.x.yy.zz.zip** and/or **epocNXS.x.yy.zz.zip** files to the applicable location subfolders.
2. The current firmware version of epoc Hosts is checked against the version in the **EpocUpdates_BY_LOCATION** subfolders if they are in that location.
   Note: The epoc Host will be upgraded if a newer version is available. The epoc Hosts in other locations will not be upgraded.

4.5.3 Upgrade epoc Hosts by Device ID

Within the **EpocUpdates_BY_DEVICE_ID** subfolder, there is a subfolder for each epoc Host, by serial number.

Procedure:

1. Copy the **epoc.x.yy.zz.zip** or **epocNXS.x.yy.zz.zip** file(s) to the applicable device subfolder(s).
2. The current firmware version of epoc Hosts is checked against the version in the **EpocUpdates_BY_DEVICE_ID** subfolders if their serial number matches the Device ID.
   Note: The epoc Host will be upgraded if a newer version is available. epoc Hosts without an upgrade file in their respective **_BY_DEVICE_ID** subfolder will not be upgraded.

4.6 Checking the Downloads in POCcelerator

To check whether the new firmware version has been successfully distributed to the devices, go to the POCcelerator application > *Process Monitor*.

Procedure:

1. Open the *Process Monitor*.
2. Select the desired device from the device overview tree.
3. Right-click in the device data area to open the *View device information* window.
4. From the list that appears, select which information such as *Software version* information should be visible for the selected device.

5 User Accounts

The epoc Host/NXS Host application supports two types of users: Administrator and operator. The epoc Host/NXS Host application distinguishes between administrators and operators by their unique user ID and password.

POCcelerator supports 4 user roles and maps user roles to epoc user types according to the following table:

Model-specific User Roles

POCcelerator User Role	User Type Assigned on epoc Host
Supervisor	Host administrator with permissions to configure the device (for example, Wi-Fi settings, dedicate readers), update software and run Thermal QA. There is only one administrator. Refer to the *epoc System Manual* for more information on the epoc Host administrator.
Key operator	Host operator with permissions to run QA and perform software updates.
Trusted user	Host operator with permissions to run QA.
User	Host operator without permissions to run QA and software updates.

Note: The POCcelerator application uses the term "user", but user is more commonly known as the operator.

6 Configuration

All POCT device models can be configured to have the same operational settings if required.

Note: Model configuration settings are only enabled for users with model rights.

To configure the model, open the model setup data.

Procedure:

1. Select *Setup* > *Devices* > *Models* in the menu bar.
   The *Model* window appears.
2. Select the desired model.
   The *Model definition* tab appears.
3. Select the *Configuration* tab.
   The *Downloads* option tab appears.

When a device is placed into operation for the first time, all data that can be downloaded from POCcelerator to the model are automatically activated here.

Modifications made in this screen will be applied to all devices of that model type. It is not required to select the *Edit data record* button and confirm the changes with *Accept*.

Changes are not applied to devices that have different device configurations. Different device configurations occur, for example, when you define deviations from the model configuration for individual devices (*Setup* > *Devices* > *Devices).* Such changes are highlighted in blue.

Use the *Overwrite device settings* button, which is available on all model *Configuration* screens, to apply all model settings to all connected as well as unconnected devices of this model. If you are using "Configuration Devices" for the ward-specific configurations, their settings will be overwritten as well.

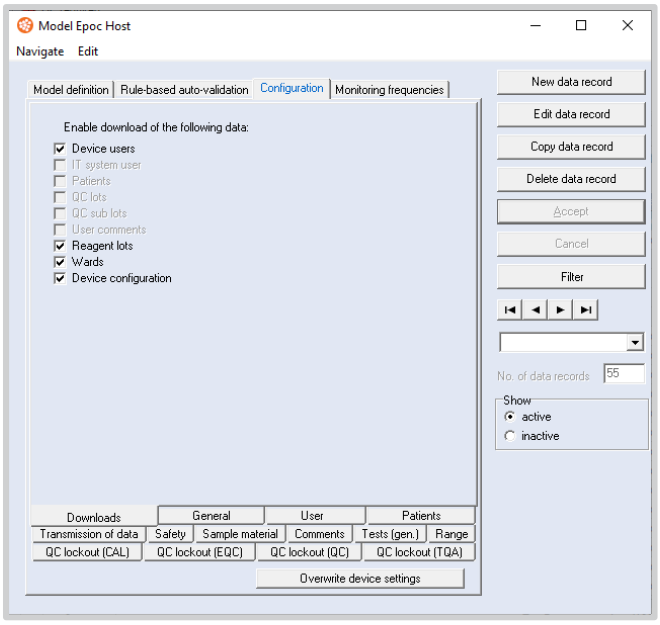
Note: If configuration management is enabled in POCcelerator, all configuration settings are controlled by POCcelerator and settings made on the devices will be overwritten by POCcelerator.

6.1 Downloads

This tab is used to set the download options. When you enable a download, all pre-existing data of that type stored on the device will be overwritten. Once enabled, the option can be disabled at any time.

When you disable (uncheck) a download option, any previously downloaded data is removed from the device when the device receives its new configuration and not when you disable the option. The device will keep the settings from the last valid configuration download unless a new configuration is being downloaded.

Note: Automatically assigned downloaded user information is removed from a device when the download option is disabled. To enable automatic downloads, in POCcelerator, see *Setup* > *User* > *User data* tab > *Automatic download to devices.*



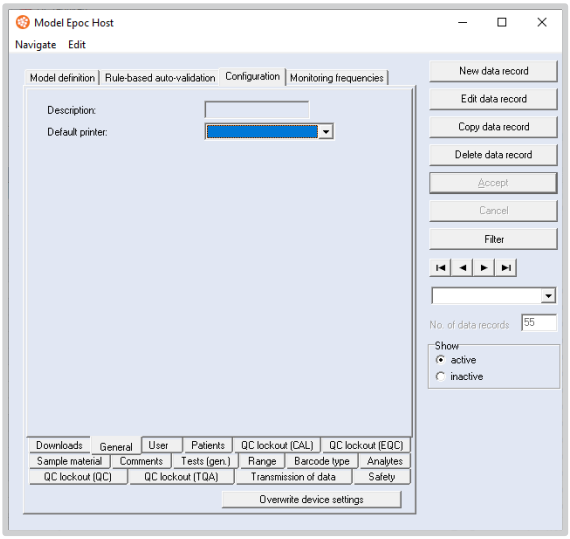
Explanation of the parameters

Enable download of the following data	Select which setup data should be downloaded to the device. **Note**: If an option is unavailable, it means that the type of download is not supported by the model.
☑ Device users	If selected, the data of device users will be downloaded.
☑ Reagent lots	If selected, the data of reagent lots list will be downloaded.
☑ Wards	If selected, device locations (wards) will be downloaded. **Note**: Keep this setting synchronous with the *Device configuration* download setting because the location information is part of the device configuration download.
☑ Device configuration	If selected, device configuration data will be downloaded.

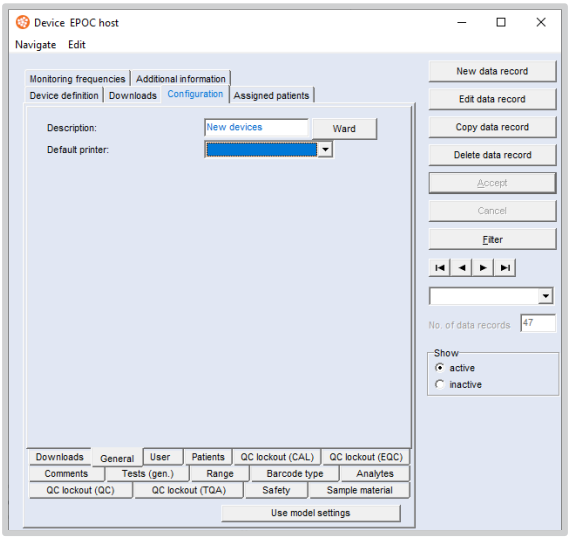
Table 1: Downloads Options

6.2 General

The epoc reader name can be changed on the configuration screen of the physical epoc Host device. Refer to the *epoc System manual* for further information.



General tab: Setup > Devices > Models



General tab: Setup > Devices > Devices

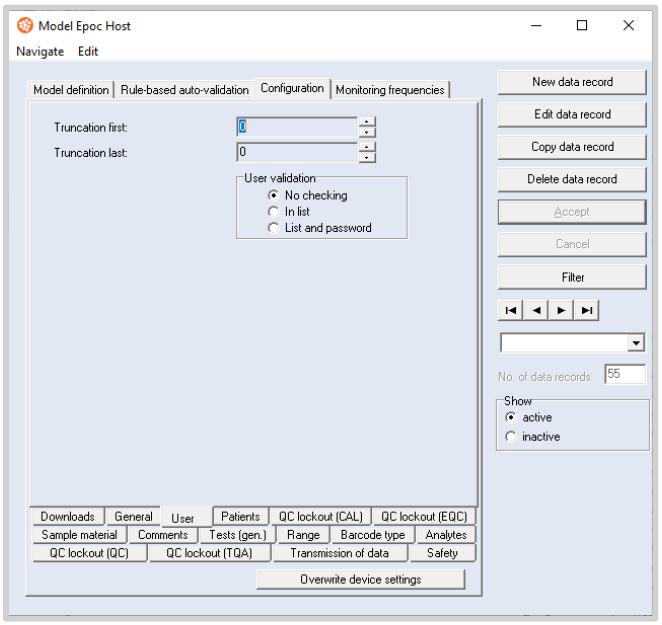
Explanation of the parameters

Description	Name of the device. Select a name to display on the device screen when it enters standby mode, for example, to identify a department, ward, or room. This is a free-form text field that is limited to 20 characters.
Ward	When looking at the configuration setting at a "device level" the *Ward* button is shown additionally. Click *Ward* to replace the setting of the *Description* field with the name of the ward where the device is assigned. The ward name is limited to 20 characters. This can be configured in POCcelerator using the *Setup* > *Devices* > *Devices* – *Configuration* tab.
Default printer	Defines the default printer, for example, if the device can connect to multiple mobile printers. **Note**: This option corresponds to the device's **Printer Management** option. By default, no printer is selected. Contact your POC manager or POC Informatics Customer Service for assistance.

Table 2: General

6.3 User

Note that this screen uses the term "user"; but user is more commonly known as the operator.



Explanation of the parameters

	Used to remove leading or trailing characters from the barcode to obtain the user ID. **Note**: This option corresponds to the device's **Crop begin** and **Crop end** options.
Truncation first	Number of characters that will be truncated at the beginning of the barcode. Possible choice: 0 to 99 characters Default: 0
Truncation last	Number of characters that will be truncated at the end of the barcode. Possible choice: 0 to 99 characters Default: 0
User validation	Mode to check the validity of the entered user ID. **Note**: The settings affect how the *Passive operations* option under the *Safety* tab works to determine whether a user can view measurements without prior authentication.
⊙ No checking	If selected, user ID entry is required but it is not checked against the internal user list of the device, meaning that any user ID can be entered. (Default) **Note**: This option corresponds to the device's **Login/Run tests > None** option. A valid user ID and password will be needed for Host administrators.
○ In list	If selected, a registered user ID entry is required. The program checks whether the ID entered matches with the internal user list of the device. This list can be configured in POCcelerator using *Setup* > *User*. **Note**: This option corresponds to the device's **Login/Run tests > ID only** option.
○ List and password	If selected, a registered user ID entry is required. It is also validated against a user and password list that is stored on the device. **Note**: This option corresponds to the device's **Login/Run tests > ID/Password** option.

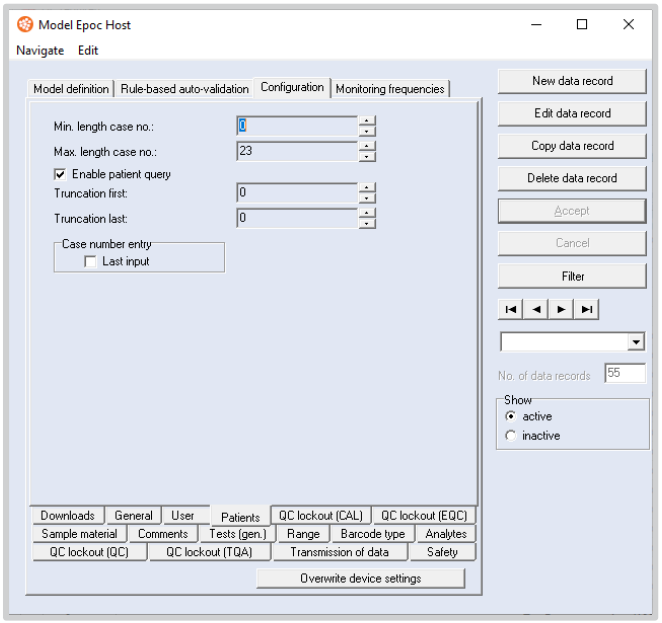
Table 3: User

6.4 Patients

This tab is used to define how the case number of a patient is used on the device. Note that this screen uses the term "case number", but case number is more commonly known as patient ID.

For patient identification, a list of all patients on a ward is downloaded to the device and patients are identified on the device by case number.

In POCcelerator, you can set patients to be identified by their patient ID instead of their case number using the *Use patient ID on devices* option located under *Extra* > *Program option* > *Patient Data – General* tab.



Explanation of the parameters

Min. length case no. Max. length case no.	The epoc device can be configured for a fixed length of a patient ID. Enter the same value in the Min. and Max. fields to allow the device to accept a patient ID of a fixed length. Possible choice: 0 to 23 characters **Note**: You cannot configure a variable length for a patient ID, for example, 10 to 12 characters. If the Min. and Max. fields are not equal, these values are ignored, and the device accepts any length up to 23 characters.
☑ Enable patient query	Used to enable or disable the patient ID prompt on the device. **Note**: This option corresponds to the device's **Lookup** option. If selected, the Positive Patient ID (PPID) feature is initiated when an operator scans or enters a patient ID during testing. If the database supports both an ADT feed and a PPID interface, the system will return the patient's demographic information associated with their ID. (Default) If not selected, the device does not prompt for the patient ID.
	Used to remove leading or trailing characters from a barcode to obtain the patient ID. **Note**: This option corresponds to the device's **Crop begin** and **Crop end** options.
Truncation first:	Number of characters that will be truncated at the beginning of the barcode. Possible choice: 0 to 99 characters Default: 0
Truncation last:	Number of characters that will be truncated at the end of the barcode. Possible choice: 0 to 99 characters Default: 0

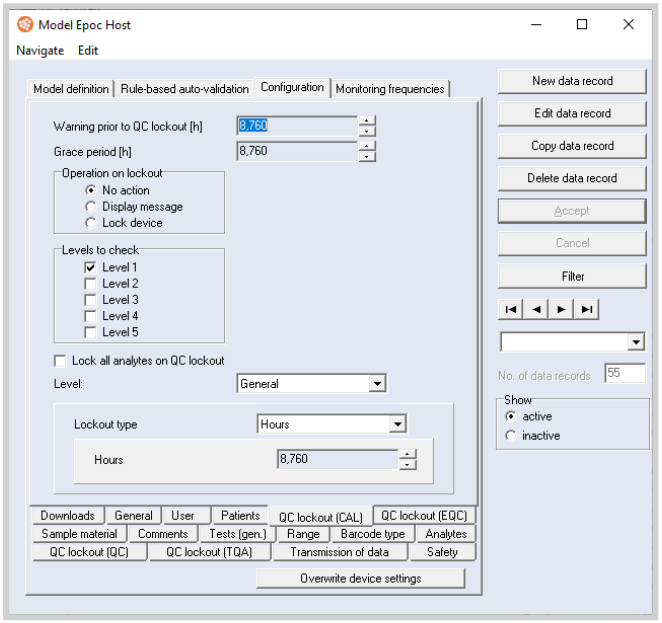
Explanation of the parameters

Case number entry	Defines the entry mode for the patient ID. **Note**: This option corresponds to the device's **Retain Patient ID** option.
☐ Last input	If selected, the device displays the last patient ID entered. Inserting a new test card automatically recalls the patient ID from the previous test record. If not selected, the operator must enter the patient ID for each test. (Default)

Table 4: Patients

6.5 QC lockout (CAL)

This tab is used to set QA schedules for calibration measurements. If QC is required according to the defined rules, the device shows for which level a QC must be performed.



Explanation of the parameters

Warning prior to QC lockout [h]	Specifies how long before the QC schedule period expires that users receive a reminder that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Warning period** option. Possible choice: 0 to 8760 hours Default: 8760 hours (365 days)
Grace period [h]	Specifies how long after the QC schedule period expires or a QC measurement fails that users can still run tests but will receive a reminder each time they perform a test indicating that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Grace period** option. Furthermore, this option depends on the *Lock all analytes* on *QC lockout* option. Possible choice: 0 to 8760 hours Default: 8760 hours (365 days) When set to zero (0), QC lockout occurs immediately after the QC schedule expires or a QC measurement fails.
Operation on lockout	Defines the action if the QC interval has expired. **Note**: This option corresponds to the device's **Verification type** option.
⊙ No action	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails. (Default) **Note**: This option corresponds to the device's **Disabled** option.
○ Display message	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails, but users receive a reminder that QC is required. **Note**: This option corresponds to the device's **Ask** option.
○ Lock device	If selected, the device is locked after the QC schedule expires or a QC measurement fails. It remains locked until a new QC measurement with a passing result is performed. **Note**: This option corresponds to the device's **Lock** option.

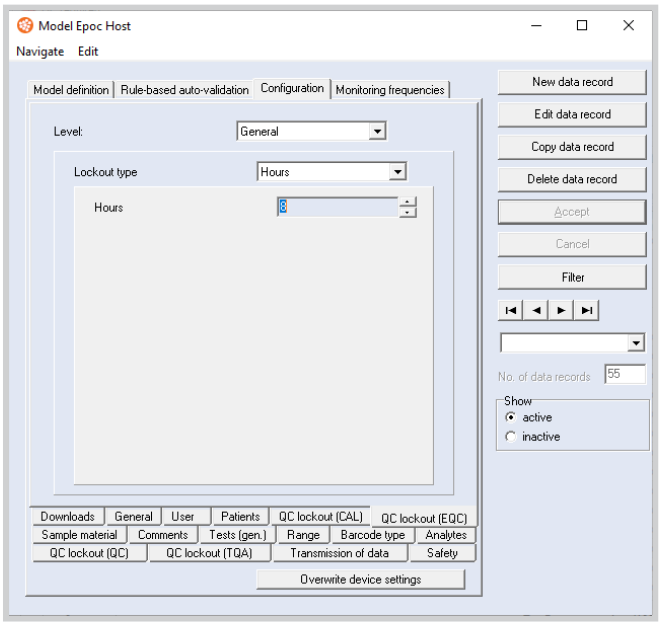
Explanation of the parameters

Levels to check ☑ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ Level 5	With this option, you define the number of levels for which QC measurements must be taken. Up to five levels are supported by the device. All selected levels must be measured. **Note**: This option corresponds to the device's **Required fluids > Number of Levels** option. Level 1 is selected by default. When no level is selected, QC lockout is disabled.
☐ Lock all analytes on QC lockout	**Note**: This option may only be used if the *Lock device* option is selected under *Operation on lockout*. If not selected, lockout is disabled. That means Host operators can perform tests even if the grace period is over. (Default) **Note**: This option corresponds to the device's **Allow test on expired schedule?** option when it's set to **Yes**. If selected and the grace period is over, all analytes for which QC failed, or QC status expired will be locked. **Note**: This option corresponds to the device's **Allow test on expired schedule?** option when it's set to **No**.
Level	The settings of the lockout type are valid for the activated level (only *General* is available).
Lockout type Hours	Monitors calibration QC measurements on the device. **Note**: This option corresponds to the device's **Schedule period > Fixed** option. After a defined number of hours, a QC measurement is required. Possible choice: 1 to 8760 hours Default: 8760 hours (365 days)

Table 5: QC lockout (CAL)

6.6 QC lockout (EQC)

This tab is used to set QA schedules for external QC measurements.



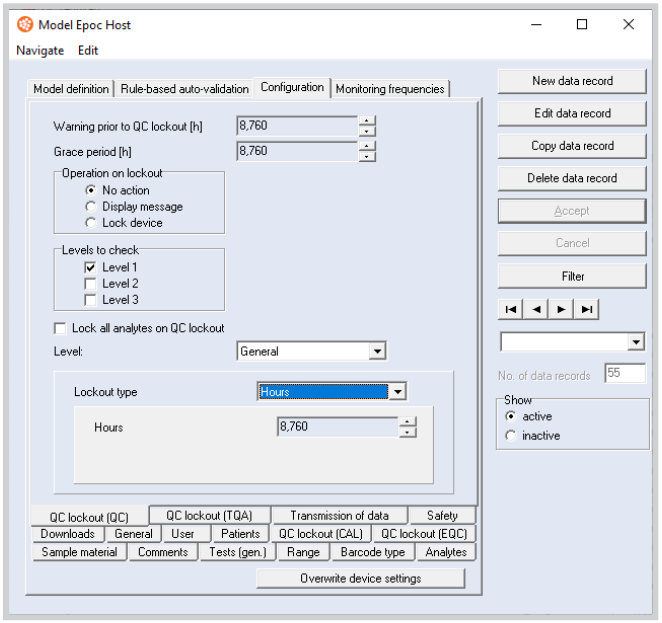
Explanation of the parameters

Level	The specified lockout period is independent of the measured QC level (only *General* is available).
Lockout type	Monitors external QC measurements on the device. **Note**: This option corresponds to the device's **Schedule period > Fixed** option.
Hours	After a defined number of hours, an EQC measurement is required. Possible choice: 1 to 8 hours Default: 8 hours

Table 6: QC lockout (EQC)

6.7 QC lockout (QC)

This tab is used to set QA schedules for QC measurements. If a QC is required according to the defined rules, the device shows for which level a QC must be performed.



Explanation of the parameters

Warning prior to QC lockout [h]	Specifies how long before the QC schedule period expires that users receive a reminder that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Warning period** option. Possible choice: 0 to 8760 hours Default: 8760 hours (365 days)
Grace period [h]	Specifies how long after the QC schedule period expires or a QC measurement fails that users can still run tests but will receive a reminder each time they perform a test indicating that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Grace period** option. Furthermore, this option depends on the *Lock all analytes* on *QC lockout* option. Possible choice: 0 to 8760 hours Default: 8760 hours (365 days) When set to zero (0), QC lockout occurs immediately after the QC schedule expires or a QC measurement fails.
Operation on lockout	Defines the action if the QC interval has expired. **Note**: This option corresponds to the device's **Verification type** option.
⦿ No action	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails. (Default) **Note**: This option corresponds to the device's **Disabled** option.
○ Display message	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails, but users receive a reminder that QC is required. **Note**: This option corresponds to the device's **Ask** option.
○ Lock device	If selected, the device is locked after the QC schedule expires or a QC measurement fails. It remains locked until a new QC measurement with a passing result is performed. **Note**: This option corresponds to the device's **Lock** option.

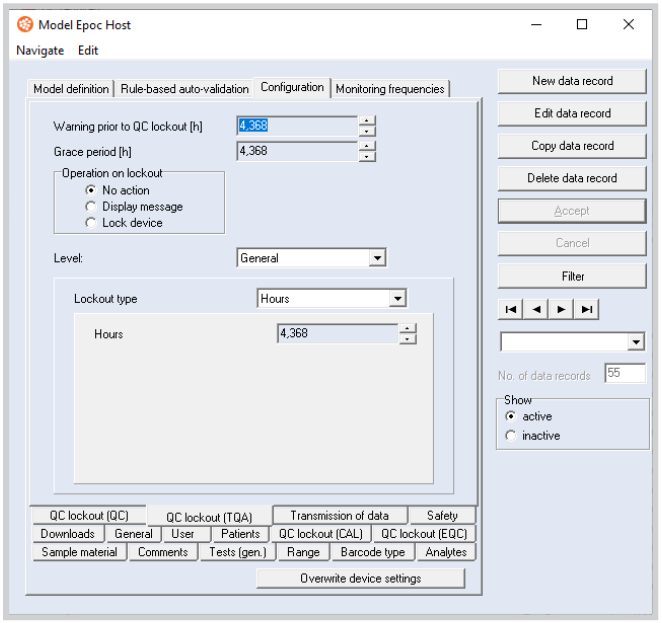
Explanation of the parameters

Levels to check	With this option, you define the number of levels for which QC measurements must be taken. Up to three levels are supported by the device. All selected levels must be measured. **Note**: This option corresponds to the device's **Required fluids > Number of Levels** option.
☑ Level 1 ☐ Level 2 ☐ Level 3	Level 1 is selected by default. When no level is selected, QC lockout is disabled.
Lock all analytes on QC lockout ☑	**Note**: This option may only be used if the *Lock device* option is selected under *Operation on lockout*. If selected and the grace period is over, all analytes for which QC failed, or QC status expired will be locked. **Note**: This option corresponds to the device's **Allow test on expired schedule?** option when it's set to **No**. If not selected, lockout is disabled. That means Host operators can perform tests even if the grace period is over. (Default) **Note**: This option corresponds to the device's **Allow test on expired schedule?** option when it's set to **Yes**.
Level	The settings of the lockout type are valid for the activated level (only *General* available).
Lockout type	Monitors QC measurements on the device. **Note**: This option corresponds to the device's **Schedule period > Fixed** option.
Hours	After a defined number of hours, a QC measurement is required. Possible choice: 1 to 8760 hours Default: 8760 hours (365 days)

Table 7: QC lockout (QC)

6.8 QC lockout (TQA)

This tab is used to set QA schedules for Thermal Quality Assurance (TQA) measurements. If a QC is required according to the defined rules, the device shows for which level a QC must be performed.



Explanation of the parameters

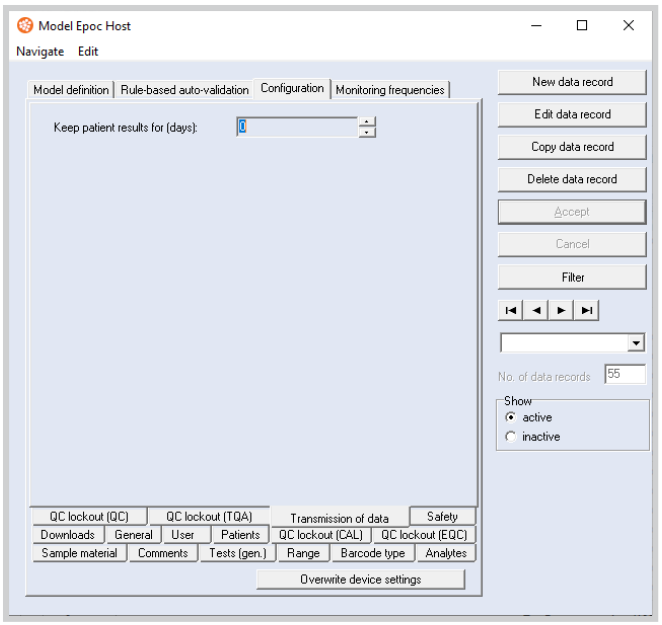
Warning prior to QC lockout [h]	Specifies how long before the QC schedule period expires that users receive a reminder that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Warning period** option. Possible choice: 0 to 4368 hours Default: 4368 hours When set to zero (0), QC lockout occurs immediately after the QC schedule expires or a QC measurement fails.
Grace period [h]	Specifies how long after the QC schedule period expires or a QC measurement fails that users can still run tests but will receive a reminder each time they perform a test indicating that QC is required. This period must not exceed the schedule period set under the *Lockout type* option. **Note**: This option corresponds to the device's **Grace period** option. Possible choice: 0 to 4368 hours Default: 4368 hours When set to zero (0), QC lockout occurs immediately after the QC schedule expires or a QC measurement fails.
Operation on lockout	Defines the action if the QC interval has expired. **Note**: This option corresponds to the device's **Verification type** option.
⊙ No action	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails. (Default) **Note**: This option corresponds to the device's **Disabled** option.
○ Display message	If selected, the device allows testing to continue after the QC schedule expires or a QC measurement fails, but users receive a reminder that QC is required. **Note**: This option corresponds to the device's **Ask** option.
○ Lock device	If selected, the device is locked after the QC schedule expires or a QC measurement fails. It remains locked until a new QC measurement with a passing result is performed. **Note**: This option corresponds to the device's **Lock** option.

Explanation of the parameters

Level	The specified lockout period is independent of the measured QC level (only *General* available).
Lockout type	Monitors thermal quality assurance QC measurements on the device. **Note**: This option corresponds to the device's **Schedule period > Fixed** option.
Hours	After a defined time, all analytes are locked, and a QC measurement is required. Possible choice: 1 to 4368 hours Default: 4368 hours (182 days)

Table 8: QC lockout (TQA)

6.9 Transmission of data



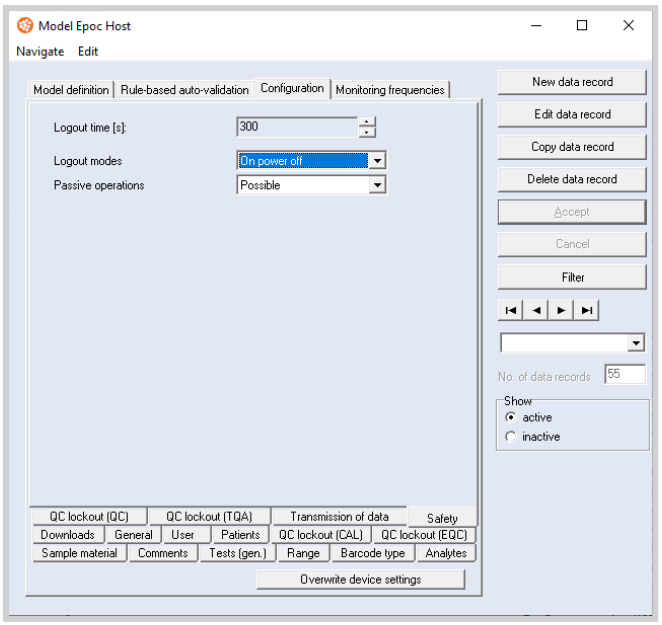
Explanation of the parameters

Keep patient results for (days)	Defines the number of days test records are saved before they are deleted from device storage. **Note**: This option corresponds to the device's **Delete blood tests** option. Possible choice: 0 to 365 days **Note**: The value selected is mapped to the device's internal setting and is processed as follows:

If you select:	Archived results are saved for the last:
1	1 day
2 to 7	1 week
8 to 31	1 month
32 to 183	6 months
184 to 365	1 year
0 (Default)	Keep indefinitely

Table 9: Transmission of data

6.10 Safety



Explanation of the parameters

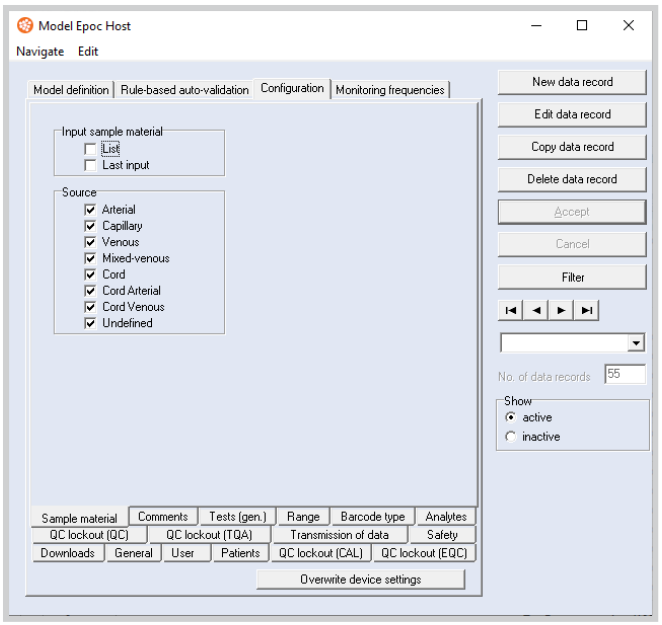
Logout time [s]	In case of inactivity, the user is automatically logged off the device after a defined time (in seconds). **Note**: This option corresponds to the device's **Automatic logout timer** option. In POCcelerator, logout time is defined in 1-second intervals. On the device, intervals are set in minutes. The device rounds down the entered value to the nearest full minute. For example, if the logout time is set to 940 seconds (15 minutes, 6 seconds), on the device this time is rounded down to 900 seconds (15 minutes). Siemens Healthineers recommends specifying the number of seconds as full minutes, for example, 600 seconds (10 minutes), 900 seconds (15 minutes) or 480 seconds (8 minutes). If set to 0 (zero), the user will not be automatically logged off. Possible choice: 0 to 3600 seconds (0 to 60 minutes) Default: 300 seconds (5 minutes)
Logout modes	Defines the logout mode from the device. **Note**: This option corresponds to the device's **Automatic log out after power off?** option.
Manual logout	If selected, the user will be logged off manually.
On power off	If selected, the user will be logged off automatically when the device is switched off. (Default)

Explanation of the parameters

Passive operations	Defines whether users can view existing measurements without prior authentication. **Note**: This option corresponds to the device's **View tests** option and depends on the *User validation* setting selected under the *User* tab.
Possible	If selected and *No checking* is selected for the *User validation* option, every user can view existing measurements, whether in the internal user list of the device or not. If selected and *In list* is selected for the *User validation* option, users who are present in the internal user list of the device can also view existing measurements without entering a password. If selected and *List and password* is selected for the *User validation* option, all users checked for ID and password can view existing measurements.
Not possible	If selected and *No checking* is selected for the *User validation* option, only users who have logged in with a password can view existing measurements. If selected and *In list* is selected for the *User validation* option, users can only view existing measurements if a valid password has been entered. If selected and *List and password* is selected for the *User validation* option, all users checked for ID and password can view existing measurements.

Table 10: Safety

6.11 Sample material

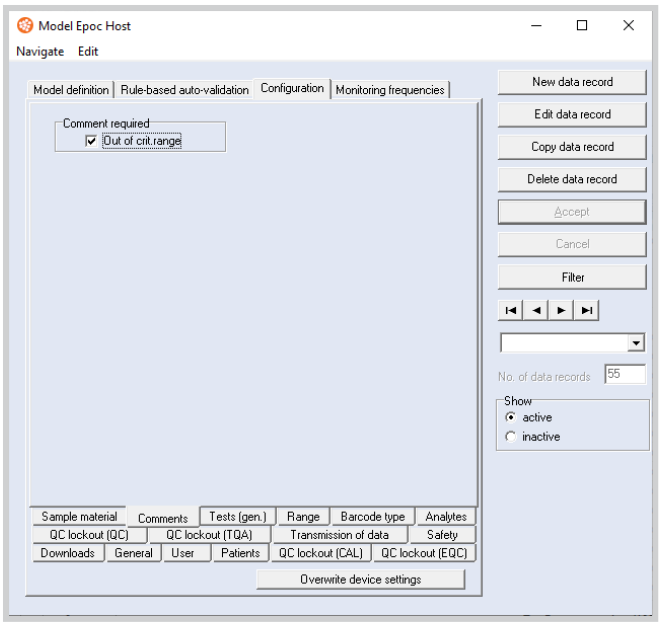


Explanation of the parameters

Input sample material	Defines how users enter the sample material during tests.
☐ List	If selected, users must select the sample material from a predefined list. If not selected, entry of sample type material is optional. (Default) **Note**: This option corresponds to the device's **Require sample type** option.
☐ Last input	If selected, the device reuses the sample material entry from the previous test automatically. If not selected, the user must reenter the sample material. (Default) **Note**: This option corresponds to the device's **Retain sample type** option.
Source	Lists the sample types that a user can select when running a patient test. **Note**: This option corresponds to the device's **Select Sample Types** option. Per default, all sample types are selected.

Table 11: Sample material

6.12 Comments

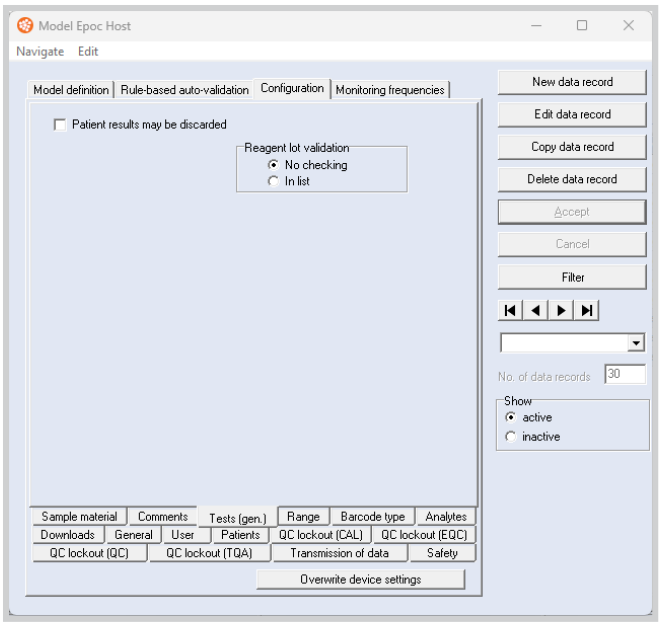


Explanation of the parameters

Comment required	Specifies the comment handling if one or more of the QC measurements fall outside of its critical range. **Note**: This option corresponds to the device's **Enforce critical handling** option.
☑ Out of crit. range	If selected, a comment is required for each measurement result that is out of critical range. (Default) If not selected, comment entry is not required.

Table 12: Comments

6.13 Tests (gen.)



Explanation of the parameters

☐ Patient results may be discarded	Used to enable or disable the **Reject test** option on the device. If selected, users can reject patient test results manually. Rejected results are flagged in the system. **Note**: This option corresponds to the device's **Allow user to reject test?** option on the administrator screen. This option is disabled by default.
Reagent lot validation	Used to set the validation mode for the test card reagent lots that are permitted for testing.
⊙ No checking	If selected, any reagent lot on the device can be used for testing.
○ In list	If selected, only reagent lots on the device that originated from the POCcelerator application can be used for testing.

Table 13: Tests (gen.)

6.14 Range

This tab is used to define reference ranges, and critical ranges per sample type and analyte. You can also use this tab to customize reportable ranges per analyte.

Note: Some analytes, for example BE(b), BE(ecf), AGap, and AGapK can produce negative results when tests are performed. Please ensure that any range values set for these analytes take this into consideration. To disable range flagging for an analyte, set the range outside the reportable/AMR range.

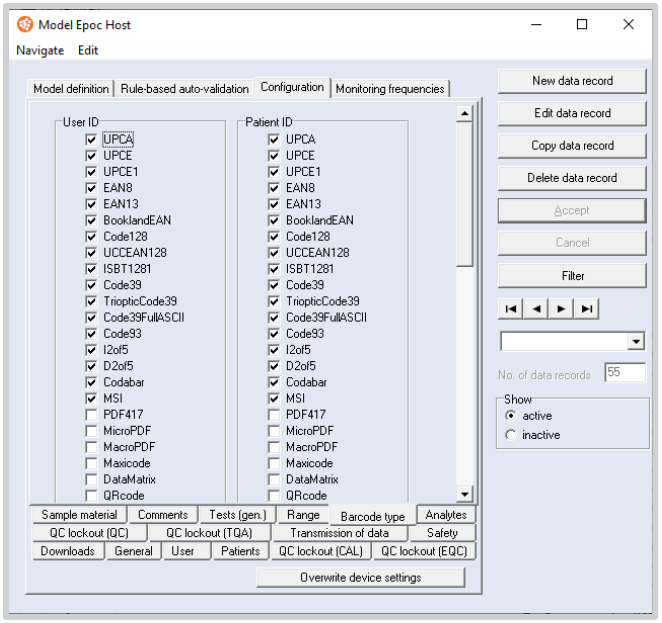
Explanation of the parameters

Sample type, mode Arterial Capillary Venous Mixed Venous Cord Cort-Arterial Cord-Venous Unknown Unspecified Default (QA) Reportable	Used to select the sample type or mode that the measurement ranges are assigned to. **Note**: This option corresponds to the device's **Analyte Setup** option. Enter the measurement ranges for each sample type and analyte for critical ranges and for reference ranges (*Crit Lo*, *Norm Lo*, *Norm Hi*, *Crit Hi*). These measurement ranges are downloaded from POCcelerator to the devices. The *Reportable* option is used to define customized reportable ranges (*Norm Lo*, *Norm Hi*) for the analyte units of measurement. These values must not exceed the device's measurement limits for an analyte. **Note**: This option corresponds to the device's **Edit unit & ranges** option. Refer to the *epoc System Manual* for further information.
Crit Lo	Sets the threshold below which values fall below the critical range for the corresponding analyte and the selected sample type.
Norm Lo	Sets the lower threshold for the reference range for the corresponding analyte and the selected sample type. When *Sample Type, Mode* is set to *Reportable*, the value defines the lower limit of reportable measurement values of the device.
Norm Hi	Sets the upper threshold for the reference range for the corresponding analyte and the selected sample type. When *Sample Type, Mode* is set to *Reportable*, the value defines the upper limit of reportable measurement values of the device.
Crit Hi	Sets the threshold above which values exceed the critical range for the corresponding analyte and the selected sample type.

Table 14: Range

6.15 Barcode type

This tab allows you to set the barcode data entry options for the patient ID, user ID, lot number, and other entries. Select all the barcode types used at your location. The types of barcodes selected determine what codes can be scanned into the device.



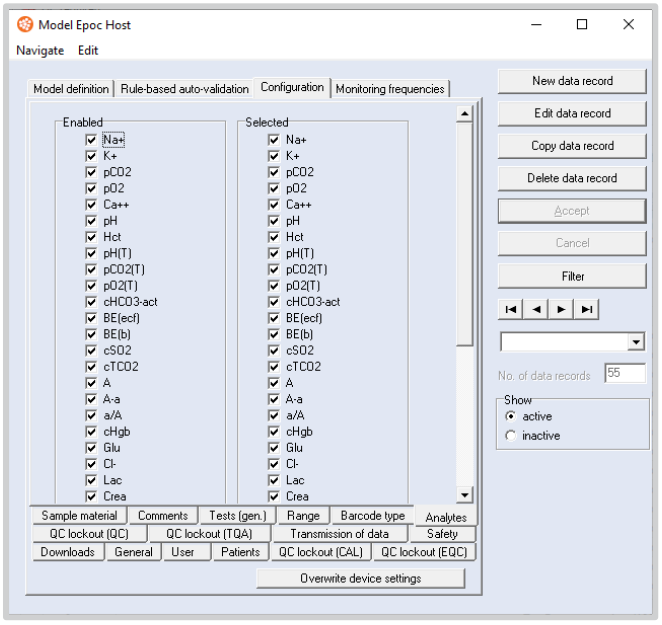
Explanation of the parameters

User ID	Determines the type of barcode used for the user ID.
Patient ID	Determines the type of barcode used for the patient ID.
Lot number	Determines the type of barcode used for the lot number.
Other	Determines the type of barcode used for the password, secondary patient identifier (ID2), comments, and other entries.

Table 15: Barcode type

6.16 Analytes

This tab defines the analytes that are available and pre-selected for testing.
Note: This option corresponds to the device's **Analyte Setup** option.



Explanation of the parameters

Enabled	Enables or disables analytes for testing. Some analytes require other analytes for measuring. Required analytes are enabled automatically.
Selected	Defines which analytes are pre-selected when starting a new test.

Table 16: Analytes

7 Additional Configuration Settings

The table below lists device settings that cannot be changed using the user interface of POCcelerator. However, POC Informatics Customer Service can change these settings centrally and download them to the connected devices. To change these settings, contact POC Informatics Customer Service.

Note: If configuration management is enabled in POCcelerator, all configuration settings will be controlled by POCcelerator and settings made on devices will be overwritten by POCcelerator.

Configuration Setting		POCcelerator Support Information
Device Option	**Description**	**Possible Value**
Crop begin and Crop end (reagent lot)	Used to remove leading or trailing characters from a barcode to obtain the reagent lot number. Choose the number of characters that will be truncated at the end of the barcode. Possible choice: 0 to 99 Default: 0	0 – 99
Crop begin and Crop end (other IDs)	Used to remove leading or trailing characters from all other scanned IDs, such as passwords, secondary patient identifier (ID2), comments, and other possible text entry fields. Choose the number of characters that will be truncated at the end of the barcode. Possible choice: 0 to 99 Default: 0	0 – 99

Table 17: Additional Configuration Settings

8 Support

Contacting Customer Service

Siemens Healthineers is committed to helping you resolve any problems with the POCcelerator Point of Care Data Management System.

For assistance, contact POC Informatics Customer Service:

https://www.siemens-healthineers.com/how-can-we-help-you