System preparation

When the system is in sleep mode, it starts up automatically by using sleep pipe function (Power up Pipe with starting time).

1 Switch on instrument. When the automatic power up is specified in the system, the pipe function will be executed automatically.

2 Switch on Water supply.

3 Switch on control unit computer.

4 Logon to the system using your operator ID and password.

System Overview – Workflow Guide

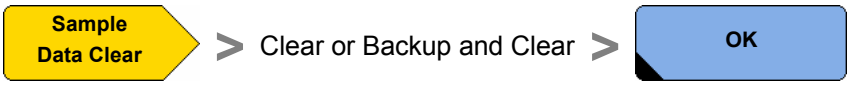
Daily Maintenance

1 Check system alarm.

2 Execute maintenance action or maintenance pipe function.

Sample Data Clear

All measurement results of routine and STAT samples will be deleted. The measurement results of quality control samples will be moved to the QC view area of data storage control section.

1 

.

Reagent Preparing

1 Activate the Preventive Action check box on the System Overview screen.

2 

Reagent Load list will be printed for reagents with yellow, purple or red alarm.

3 Load reagents according to reagent load list onto the instrument.

4 Remove all empty packs from the system.

Module	System Reagent	Volume	Notes
c 501	NaOH-D	1.8 l	CellCln Position 1
	Acid Wash Solution	1.8 l	CellCln Position 2
	NaOH	70 ml	SmpCln Position 1
	SMS	70 ml	SmpCln Position 2
	Hitergent	70 ml	
e 601	ProCell M	2 l	
	CleanCell M	2 l	
	PreClean M	600 ml	
	ProbeWash M	2x 70 ml	

Reagent Volume Reset

Function keys

1 **Reagent Preparing** > **Reagent Prime**

2 Perform Prime for ISE. Select all.

3 **Execute**

After the Reagent Prime for ISE, recalibrate the ISE unit before you resume routine operation.

Calibration and QC Select

The system automatically recommends calibrations and controls to be performed. But the recommended calibrations and QCs must be confirmed by the operator before they can be measured.

1 **Calibration and QC Select** > **Recommended**

2 Print the Calibrator and QC Load List > **Print**.

3 Load calibrator and QC racks on the analyzer according to calibrator and QC load list.

4 **Start**

End of Routine

1 Load green rack:

Pos. 1 NaOH-D
Pos. 2 ISE Cleaning Solution
Pos. 3 Activator

2 **Start**.

Application, Calibration and QC set up (for c 501 and e 601)

Loading new application parameters

1 **Utility** > **Application** > **Download** >

2 Select conditions in **Download.**

Select one of the available search conditions.

3 **Search**

4 Activate the check box of parameter to be downloaded.

5 **Download** > OK > **OK** > **Close**

6 Check if the parameters are downloaded.

Note: c 501: For first installation Dilution and cleaner cassettes have to be downloaded.

Test Parameter Setting

1 **Utility** > **Application** > **Analyze** >

For e 601 only, select the tests to be diluted and enter the required dilution for 1st run and rerun.

2 **Utility** > **Application** > **Calib.**

3 Change to QC Violation, if required.

4 **Utility** > **Application** > **Range**

5 If required, change unit, define Report Name, select Automatic Rerun, define Repeat Limit, control Interval Time, AutoQC on board stability, Qualitative fields and Expected Values.

6 **Utility** > **Application** > **Others**

7 Enter Calibrator Code for ISE.

Assigning a test to a module

1 **Utility** > **Module Set** > **Test Assignment**

2 Select a module and check if the Assign check box is active for each test.

Select mandatory, if required.

Settings for c 501 and ISE:

3 Select Na, K, Cl or Na, K (ISE).

Settings for e 601:

4 Check Ch.1 or Ch.2 or both check boxes to assign the test to measuring channel 1, 2 or both.

5 OK

Report Format Assignment

1 Utility > Report Format

Area: Print Order

2 Check if print order line is defined.

Test Key Assignment

1 Utility > System > Key Setting

2 Select an empty key.

3 Select a test.

OK > Update > OK

Set up Calibrators

1 Calibration > Install > Download

2 Select one of the available search conditions.

3 Search

4 Activate the check box of the parameter to be downloaded.

Download > OK > OK > Close

5 Check, if calibrator information is downloaded.

Set up Calibrators manually (for c 501 only)

1 Calibration > Install

2 Chemistry

3 Select a blank line. > Add

4 Type the name of the Calibrator, its calibrator Code, Lot No., and Expiration Date in the respective boxes. > OK

5 Edit

6 Type in the concentration values for each test.

7 Update > OK

Set up Controls

Note for e 601: e pack should be placed on board before, because lot specific target values can be coded within the reagent barcode.

1 QC > Install > Download

2 Select one of the available search conditions.

3 Search

4 Activate the check box of the parameter to be downloaded.

Download > OK > OK > Close

5 Check, if control information is downloaded.

Set up Controls manually

1 QC > Install

2 Select a blank line > Add

3 Type all necessary data in the Control window. > OK

The new control appears on the control list.

4 Edit

5 Enter Target mean, Target SD, and confidence limits High and Low, if necessary.

Activating control tests:

1 QC > Install

2 Select control name and test to be activated.

3 Activate Test

Activated test highlights green.

Rack Assignment for non barcoded calibrators

1 Calibration > Calibrator > Rack Assign

2 Select the calibrator to be assigned to a rack ID and position from the list on the left to the list on the right.

3 Assign--> to assign the selected calibrator to the selected position.

4 To undo the assignment <--Remove

5 After all assignments are completed OK

Note: Do not mix barcoded and non-barcoded calibrators/ controls on the same rack.

Rack Assignment for non barcoded controls

1 QC > Control > Rack Assignment

2 Select the control from the list on the left and an unassigned rack number and position from the list on the right.

Add--> to assign the selected control to the selected position.

3 To undo the assignment <--Remove

4 After all assignments are completed OK