

# EC 90

ELECTROLYTE ANALYSER

Series

Erba  
Mannheim

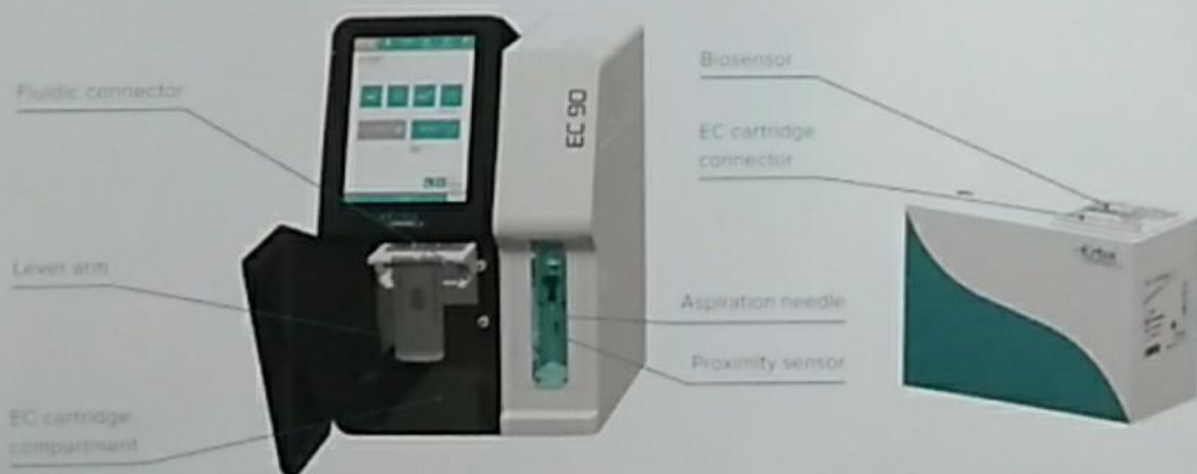


QUICK START GUIDE

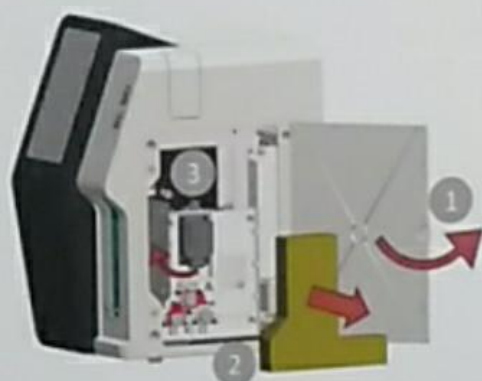


The purpose of this guide is to provide essential information required for using the EC 90 series. Nevertheless, operators are instructed to carefully read the user manual before starting operation. All precautions, safety and operating instructions must be read, understood and followed.

## Instrument and EC cartridge overview



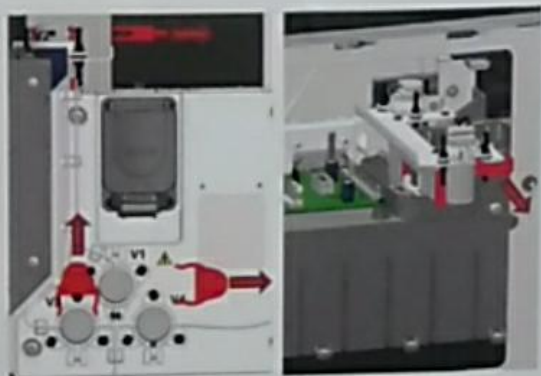
## Start-up



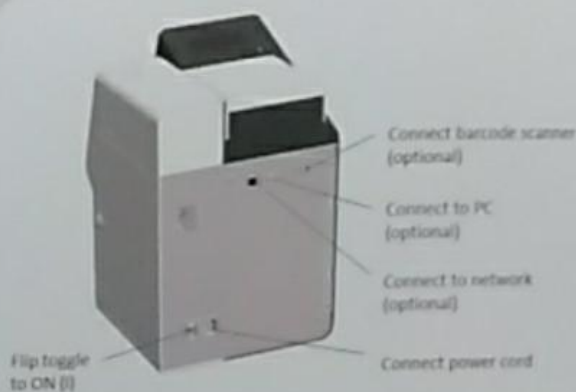
- 1** Open maintenance door, remove foam block & clamp pump tube



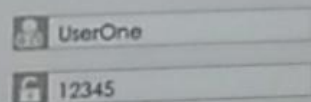
- 2** Remove left side panel to access valve V5



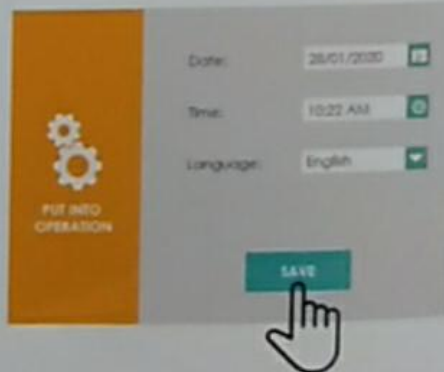
- 3** Remove tube clips from valves V1, V2, V3 & V5



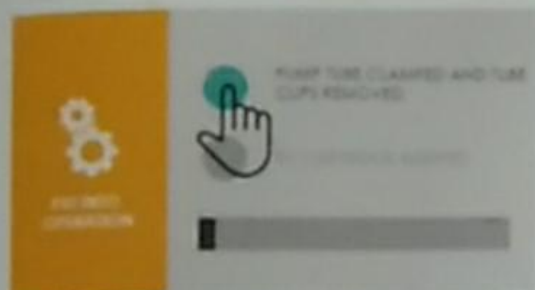
- 4** Close maintenance door and left side panel and connect to main power



- 5** Log in with dummy account



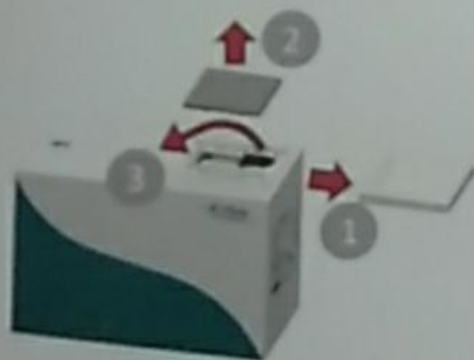
- 6** Set system settings


**7**

Confirm pump tube clamped and tube clips removed


**8**

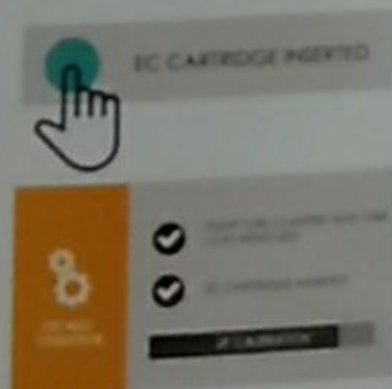
Open front door and lift lever arm up


**9**

Remove cap & cap sealing from EC cartridge and peel off sensor film


**10**

Insert new EC cartridge & close lever and front door

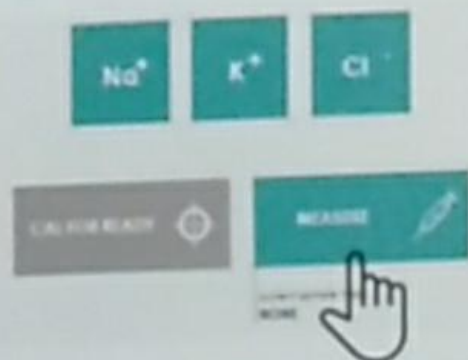

**11**

Confirm insertion & wait for startup completion


**12**

Insert printer paper (optional)

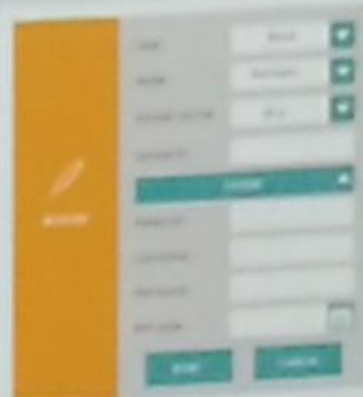
## Performing measurements



1

Select/deselect parameters in main screen & start measurement

e.g. EC cartridge



2

Select sample type, volume, measuring mode & enter further information



3

Lift sample cover & pass sample to aspiration needle

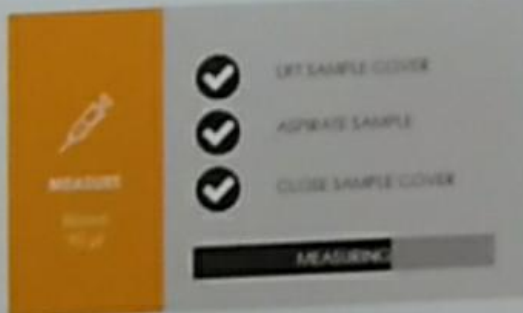


Option 1

Option 2

4

Trigger aspiration via proximity sensor or status button



5

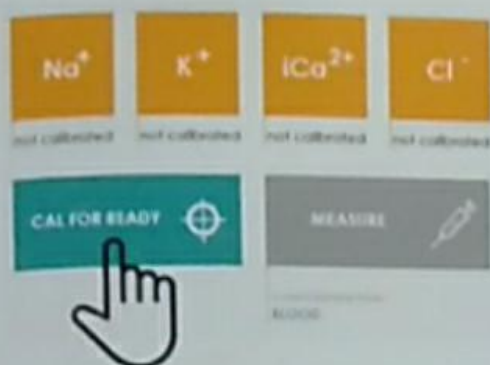
Close sample cover & wait until completion of measurement



6

Test results are automatically displayed in results menu

## performing on-demand calibration and QC



1

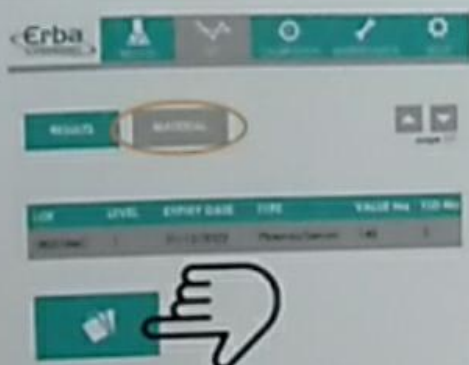
Initiate smart sensor calibration directly in main screen

e.g. EC cartridge plus iCa



2

1P or 2P calibration is performed according to system requirements



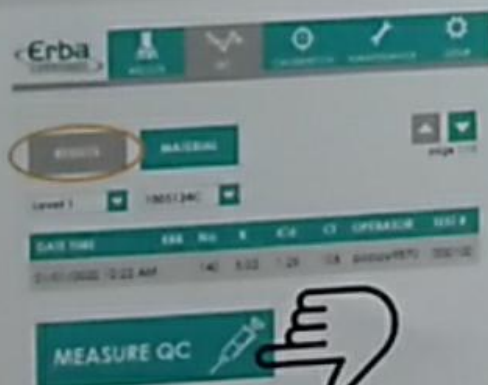
1

To register a new lot, access QC material screen and press add button



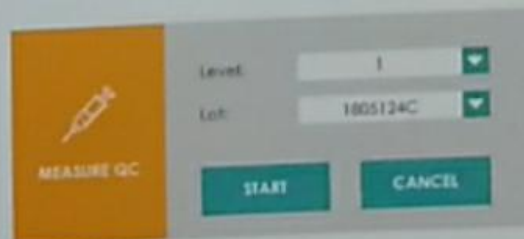
2

Provide all information to complete registration



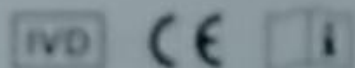
3

Start measurement in QC results screen



4

Select QC level and lot number & proceed with measurement



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