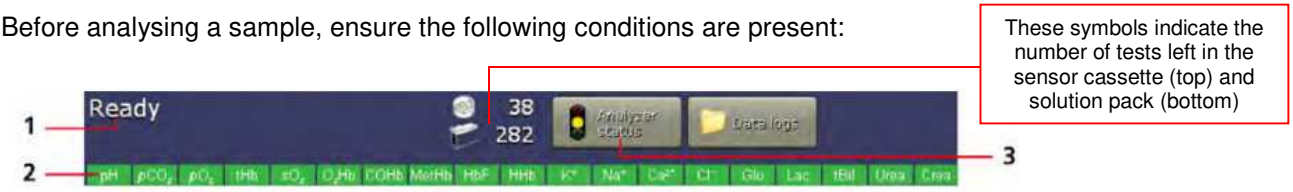
ABL90 FLEX PLUS QUICK USER GUIDE

COPY

→ Is the analyser ready for use?

Before analysing a sample, ensure the following conditions are present:



1. The analyser is in Ready Mode.
2. The colour of the tab of the parameters you require is either green or yellow.
3. The colour of the traffic light in the Analyser Status button of either green or yellow.

Tab colour	Meaning
Green	You will get a result for the parameter.
Yellow	A QC or calibration error was found but you will get a result for the parameter.
Red	You will NOT get a result for the parameter.

Traffic light colour	Meaning
	All operations are possible.
	The analyser found an issue that requires action but not immediate – all operations are still possible.
	The analyser found an issue that requires immediate action – urgent user intervention is required prior to further operation.

Note: The analyser automatically performs calibrations and quality control throughout the day. During these measurements, you cannot run a patient sample. On the top left corner of the screen, the analyser will display how long the process will take.

→ How to prepare a sample for analysis?

- Ensure an adequate volume of blood is collected.
- Remove all air bubbles from the sample.
- Gently mix the sample continuously until analysis.
- Analyse the sample immediately after collection.

→ How to analyse a sample?

- Login by scanning your barcode
- Select the sample type – syringe or capillary.
- Present the sample to the port, keeping it centred.
- Gently push up against the port until it stops moving.
- With syringes, DO NOT try to inject the sample.
- When prompted, carefully remove the sample.
- Enter the mandatory patient details.
- Results will be available within 2 to 4 minutes.
- Discard the sample in a burn bin.

→ How to clean the analyser?

The analyser must be kept clean at all times. External surfaces must be cleaned with the yellow and white multi-surface detergent wipes and disinfected with 70% alcohol wipes.

→ Who to contact for support?

1. Find a local key operator
2. Contact the POCT team on extension **6044** (Mon – Fri, 9 AM – 5:15 PM)
3. Contact the Radiometer 24/7 technical support line on **01293 517599** (answering service out of hours)

TROUBLESHOOTING A RED PARAMETER

The primary reasons for a red parameter are a failed Calibration and/or a failed Quality Control (QC). These issues can occur in relation to problems when changing the solution pack and sensor cassette, or sample related problems, such as a clot, which may cause liquid flow errors.

A. Clean the inlet gasket

1. Tap **Analyser status > Other activities > Inlet check > Clean inlet gasket > Press to start video guidance**.
2. Dampen a lint-free cloth with water.
3. Gently wipe the inlet gasket and the area around it until clean.
4. If the parameter remains red, proceed to step B.

B. Repeat a Calibration

1. Tap **Analyser status > Calibrations**
2. Select **'Calibration'** from the list.
3. Tap the **'Calibration'** button.
4. If the calibration is successful (green tick), but the parameter remains red, proceed to step C.

C. Repeat a Quality Control

1. Tap **Analyser status > Quality control**
2. Select any QC from the list with a red question mark next to it.
3. Tap the **'Start QC'** button.
4. If required, repeat for any other failed QC.
5. If any parameters remain red, contact the POCT team or Radiometer technical support.

CHANGING CONSUMABLES

→ Replace the printer paper

1. Press the release button to open the printer cover.
2. Replace the paper roll ensuring the paper unwinds from below. Make sure some paper extends out of the printer slot.
3. Close the cover until it clicks into place.

→ Replace the sensor cassette

1. Tap **Analyser status > Consumables > Replace > Sensor Cassette > Press to start video guidance**.
2. Get a new sensor cassette from the fridge. Ideally the sensor should be brought to room temperature before the installation. Otherwise, the start-up may be prolonged.
3. Wait until the sensor cassette compartment opens.
4. Remove the old sensor cassette and dispose of it in a burn bin.
5. Pull the foil off the new sensor cassette pack, unscrew the lid and lift out the sensor cassette.
6. Press the new sensor cassette in place.

→ Replace the solution pack

1. Tap **Analyser status > Consumables > Replace > Solution Pack > Press to start video guidance**.
2. Activate the new solution pack by pressing down firmly and evenly with both hands until both tabs click into both holes.
3. Place your thumbs on the white part of the solution pack and push the solution pack into its compartment until it clicks into place.

ADVANCED TROUBLESHOOTING

.

→ Clear a 'Cal Backlog Error'

1. Tap **Menu > Start Programs > Auxiliary Programs > Automatic Flush**

→ Flush the fluid transport system

1. Tap **Menu > Start programs > Auxiliary programs > Manual Flush > Press to start video guidance**.
2. Pull off the inlet cover, pull out the inlet gasket holder and remove the solution pack.
3. Draw some tap water into the flush device.
4. Connect the tip of the flush device to the waste connector in the solution pack compartment.
5. Inject small amounts of water and air by inverting the syringe repeatedly.
6. Continue until an unbroken stream of water comes out of the inlet probe.
7. Disconnect the flush device.
8. Replace the inlet gasket holder, the solution pack and the inlet cover.

For further information, please refer to the ABL90 Flex Plus SOP and the ABL90 Flex Plus User Manual which can both be found on the POCT intranet page

OBTAINING A CREDIT CLAIM FORM

Faulty sensor cassettes and solutions packs can only be reimbursed if a credit claim form is submitted within 14 days of the replacement. The easiest way of doing this is during the replacement of the faulty consumable:

1. In the replacement screen, tap 'Send status to printer'.

2. The analyser will generate and print the credit claim form – see example below:

Credit Claim Form

Contact Name: Royal United Hospital
Contact Phone: _____
Contact email/Fax: _____
Credit: ___ Replacement: urgent ___ standard ___

Solution Pack Status

Analyzer ID:	I393-092R0437N0026
Software version:	ABL90 Version 3.5 MR5
Time:	09/05/2023 09:33
Replacement:	Solution pack removed
Part #:	944-157
Lot #:	NQ-28
Expiration date:	16/08/2023
Remaining activities:	36
Chip ID:	69016654
Max. activities:	680
First inserted:	30/03/2023 09:47

ACTIVITY LOG [User]

Time	Message
09/05/2023 09:33	1344: Solution pack removed
CALIBRATION LOG cLac	NQ-28 - 1474-75 1310: Response error
QUALITY CONTROL A cLac	NQ-28 - 1474-75 0210: Calibration error(s) present
QUALITY CONTROL B cLac	NQ-28 - 1474-75 0210: Calibration error(s) present
QUALITY CONTROL C cLac	NQ-28 - 1474-75 0210: Calibration error(s) present

Printed 15:54:36 11/05/2023

3. Scan the printout and email it to sales@radiometer.co.uk **&** ruh-tr.biochempoc@nhs.net **&** AMHAROLD@beckman.com.

If the credit claim form wasn't printed during the replacement, this can be done retrospectively:

1. From the main screen, tap 'Data Logs' > 'Replacement Log'
2. Select the line correspondent to the removal of the faulty consumable.
3. Tap 'Send status to printer'.

4. The analyser will generate and print the credit claim form.
5. Scan the printout and email it to sales@radiometer.co.uk **&** ruh-tr.biochempoc@nhs.net **&** AMHAROLD@beckman.com.