



On completion of the training session the participant will be able to demonstrate competence in the use of the ABL90 Flex Plus blood gas analyser.

Name (PRINT):		Dept:	
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1. Overview

Participants have been provided with an overview of the analyser including:	
Printer and how to change paper	Touch screen, Barcode scanner, Power/battery indicator
Sensor cassette and solution pack	Inlet
Analyser software: Ready mode, parameter bar, analyser status (traffic lights), consumable status, date, time, AQUIRE connectivity, data logs, log on/off	

2. Pre-analytical Guidance

Participants have been informed regarding the importance of the pre-analytical steps involved to ensure a good quality sample, including:	
Syringe AND capillary	Use of an appropriate pre-heparinised syringe or capillary: slows down the clotting process
	Patient must be in a stable respiratory condition for 5 mins prior to sampling or wait 20 mins following change of ventilation
	Appropriate patient and sample identification: prevent mix up, loss of samples, misdiagnosis and treatment
	Visually inspect sample and expel air/bubbles. Cap syringe to avoid contact with room air (affect O ₂ and CO ₂ values)
	Prevention of haemolysis: positive bias to K ⁺ and negative bias to Na ⁺ and Ca ²⁺
	Analyse sample immediately and dispose of sample correctly
Syringe ONLY	A-Line sampling – withdraw adequate flush solution from the arterial line prior to sampling to avoid dilution of blood sample
	Adequate mixing of sample: reduces risk of clotting and ensures accurate Hb results. Collect correct volume of blood – minimum/maximum fill volume
Capillary ONLY	Ensure capillary is full
	How to use and benefit from end caps, mixing wire and clot catcher
	Introduce clean end of capillary

Training Form - Operator - Version: 1.0. Index: DOC Lab Med 31. Printed: 18-Oct-2023 11:04

ABL90 Flex Plus – OPERATOR Training and Competency Record

3. Analyser Use

Participants have been provided with a demonstration of how to analyse a sample and provided with the following information:
Logging on and off the analyser
Operator passwords/barcodes and importance of NOT SHARING
Results affected by pre-analytical errors
Analyser has been validated for whole blood samples
Interference of test results – refer to IFU
Limitation of use: only analyse human whole blood, operators must be trained, interpret results in relevant clinical context, refer to IFU for full details
Who to contact if the analyser is not working
Automated calibration and quality control
Correct procedure for cleaning and decontamination
Importance of reporting analyser adverse incidents

4. Competency Check

The trainer has observed the participant competently demonstrate the following:		
Identify the analyser is ready to use	Yes	No
Log on/off	Yes	No
Introduce sample in a safe and appropriate manner	Yes	No
Input patient information	Yes	No
View results (screen/printed), understands error messages, ranges and critical limits	Yes	No
Retrieve previous patient results	Yes	No

Operator Name:		Trainer Name:	
Signature:		Signature:	
Date:		Date:	