

## HbA1c diagnosis and monitoring at the Point of Care

*Improving the outcomes for patients living with diabetes*

The **cobas b 101** system includes tests for glycated haemoglobin (HbA1c), lipid panel and C-reactive protein (CRP) on the same device.

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**On the spot testing and results in 5 minutes**  
*From the makers of CoaguChek®*



## The cobas b 101 system

*Improve management of your patients with a PoCT system that delivers laboratory quality results<sup>1,2,3</sup>*

### Benefits for your patients

#### Better patient compliance

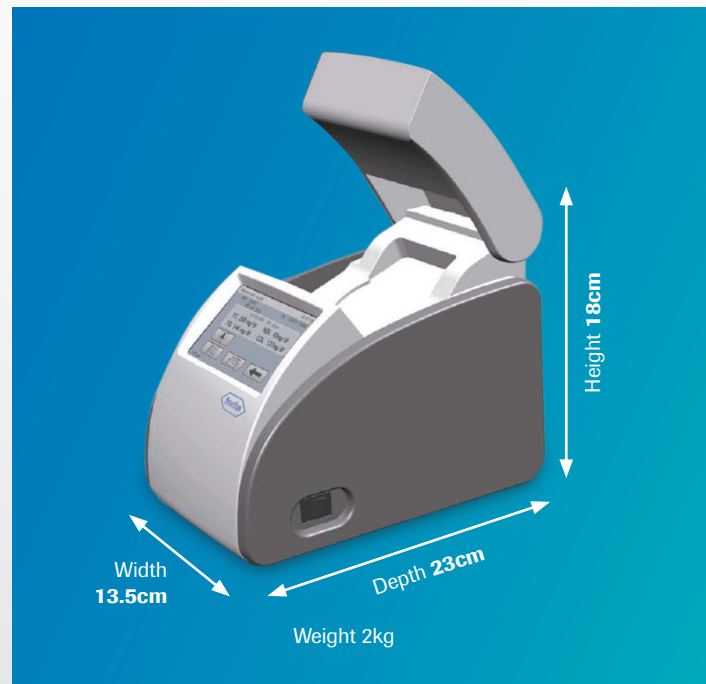
Compared with laboratory testing, POC HbA1c testing has been shown to significantly increase the proportion of patients achieving their diabetes glycaemic control.<sup>4</sup>

#### Simple and easy sample collection

Direct blood sample application onto disc from a finger prick, with no need for tubes or pipettes for sample collection or transfer. Test discs can be conveniently stored at room temperature (2-30°C).

#### Fast turnaround time

HbA1c result in 5 mins. On the spot results in just **3 simple** steps. **Dual testing** from one finger prick sample allows for HbA1c test and lipid panel within a 15-minute workflow cycle.



### Benefits of cobas b 101 system

#### *Easy and intuitive to use*

Colour touch screen with a user friendly interface that has the same look and feel of other Roche Point of Care devices.

#### *Improves workflow efficiency*

Patient data storage with 5,000 patient results, 500 QC results, and 50 Operator IDs.

#### *Compact and portable*

Lightweight and portable.  
Weighs 2kg, with small footprint.

#### *Automatic calibration on each disc*

Samples and discs are checked for integrity and all steps of the process are controlled. **No service** required.

**Guaranteed with a 3 Year Warranty.**

## 3 simple steps to better patient outcomes



1

Power on the instrument and touch Patient Test.



2

Open the lid, lance the finger and place the drop of blood on the test disc.



3

Place test disc in the **cobas b 101** and close lid. The measurement starts automatically.

## 3 tests in one on a compact portable system

### HbA1c Test

**HbA1c (glycated haemoglobin) testing improves diabetes management in primary care settings**

- » HbA1c with Diagnosis Claim<sup>1</sup>
- » No interference from most common haemoglobin variants<sup>1</sup>
- » Precision is fully compliant to the IFCC and NGSP guideline requirements<sup>5</sup>
- » Requires 2  $\mu$ L drop of capillary or venous whole blood. HbA1c test results in 5 mins
- » HbA1c result displayed in percentage (%) plus mmol/mol



### Lipid Panel Test

**Closing the gap in cardiovascular (CV) risk factor management**

- » POC CRP testing follows the recommendations of the NICE clinical guidance<sup>6</sup>
- » Requires 12  $\mu$ L drop of capillary blood or serum, venous whole blood or plasma
- » CRP results in 4 mins
- » CRP results displayed mg/L



### CRP Test

**C-reactive protein (CRP) test supports appropriate antibiotic use at the Point of Care**

- » POC CRP testing follows the recommendations of the NICE clinical guidance<sup>7</sup>
- » Requires 12  $\mu$ L drop of capillary blood or serum, venous whole blood or plasma
- » CRP results in 4 mins
- » CRP results displayed mg/L





## Test Menu for Diabetes Management and CVD Risk Assessment

	Measuring Range
<b>HbA1c</b>	4.0 – 14.0% (NGSP)
	20 – 130 mmol/mol (IFCC)
<b>Total Cholesterol</b>	1.28 – 12.95 mmol/L
<b>Triglycerides</b>	0.50 – 7.35 mmol/L
<b>HDL</b>	0.38 – 2.60 mmol/L
<b>LDL</b>	Calculated
<b>Non-HDL</b>	Calculated
<b>CHOL/HDL</b>	Calculated
<b>CRP</b>	3.0 – 400 mg/L

## The Power of Point of Care Testing



### Reference:

1. Roche cobas b 101 Test Package Inserts.
2. Roche (2013). Multicenter evaluation of the cobas b 101 system for the measurement of HbA1c and lipid panel
3. Roche (2018). Multicenter evaluation of the cobas CRP Test on the cobas b 101 POC system
4. Bubner, T.K., Laurence, C.O., Gialamas, A., Yelland, L.N., Ryan, P., Willson, K.J. et al. (2009). Effectiveness of point-of-care testing for therapeutic control of chronic conditions: results from the PoCT in General Practice Trial. Med JAust 1 90, 624–626.
5. [www.ifcc.org](http://www.ifcc.org) (accessed Feb 2013)
6. NIH; NCEP Third Report, The National Heart, Lung and Blood Institute.
7. NICE clinical guidance [CG101] (2014). Available at: [www.nice.org.uk/guidance/CG101](http://www.nice.org.uk/guidance/CG101)

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