

cobas[®]
Life needs answers

cobas[®] b 101 system

Improve management of diabetes and dyslipidaemia with the HbA_{1C} & Lipid monitoring PoCT system



The cobas b 101 system

The cobas b 101 includes tests for glycated haemoglobin (HbA_{1c}) and lipids on the same device, thereby addressing a diagnostic need at Point of Care.

Main benefits

Ease of use and convenience:

- On the spot results in just 5 simple steps
- Light and compact giving you the convenience of portability between clinics
- Direct sample application onto a disc from a finger prick of capillary or venous whole blood for easy sample collection
- Fast turnaround time – an intuitive 15 minute workflow from patient preparation to result of both HbA_{1c} and lipid panel
- Colour touch screen with a user friendly interface that has the same look and feel of other Roche Point of Care devices
- Increased convenience as both colour coded test discs can be stored at room temperature



Workflow efficiency:

- Patient data storage with 5,000 patient results, 500 QC results, and 50 Operator IDs
- Automatic calibration on each disc
- Samples and discs are checked for integrity and all steps of the process are controlled
- QC menu features configurable test intervals and target ranges for reliable quality results
- IT connectivity solutions with cobas IT 1000 and printer option
- No service required



Dual testing

HbA_{1c} and lipids; from patient preparation to the display of both results in one 15 minute workflow

HbA_{1c} test

- Precision is fully compliant to the IFCC and NGSP guideline requirements ¹
- Requires 2 µL drop of blood
- HbA_{1c} test results in 5 mins
- HbA_{1c} in percentage (%) plus mmol/mol
- Disc can be stored at room temperature (2-30°C)



Lipid panel test

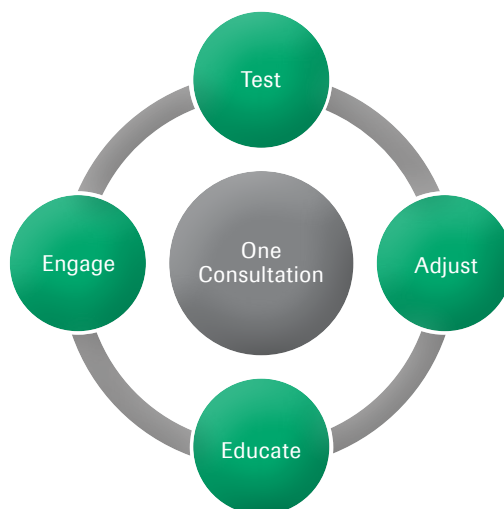
- Precision is fully compliant to the NCEP guideline requirements ²
- Requires 19 µL drop of blood
- Lipid testing can be done with whole blood, plasma or serum
- Lipid test results in 6 mins; including TC, HDL, TG, LDL, non-HDL and TC/HDL ratio
- Disc can be stored at room temperature (2-30°C)

Discs are colour-coded and clearly labeled to ensure correct use

Test Menu for Diabetes Management and CVD Risk Assessment

	Measuring Range
HbA_{1c}	4.0 – 14.0% (NGSP) 20 – 130 mmol/mol (IFCC)
Total Cholesterol	1.28 – 12.95 mmol/L
Triglycerides	0.50 – 7.35 mmol/L
HDL	0.38 – 2.60 mmol/L
LDL	Calculated
Non-HDL	Calculated
CHOL/HDL	Calculated

The Power of Point of Care Testing



References

1. www.ifcc.org (accessed Feb 2013)
2. NIH; NCEP Third Report, The National Heart, Lung and Blood Institute.

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