

The new cobas h 232 POC system

On-the-spot care & share

Product specifications:¹

- Ready to use in less than 20 seconds
- Easy to use even in mobile situation

Supported assays & controls

Parameter	Test	Supported units
Troponin T	Roche CARDIAC T Quantitative REF 07007302190 Roche CARDIAC POC Troponin T REF 04877772190	ng/L, pg/mL, ng/mL, µg/L
NT-proBNP	Roche CARDIAC proBNP+ REF 05533643190	pg/mL
D-dimer	Roche CARDIAC D-Dimer REF 04877802190	µg/mL, ng/mL, mg/L, µg/L
Myoglobin	Roche CARDIAC M REF 04877799190	ng/mL
CK-MB	Roche CARDIAC CK-MB REF 04877900190	ng/mL
Controls	Roche CARDIAC control for all parameters above Roche CARDIAC IQC for checking the performance of the meter's optical system	

Sample material

Sample type	Heparinized venous whole blood
Sample size	150 µL

Operating conditions

Temperature range	18 to 32 °C
Relative humidity	10–85 % (no condensation)
Maximum altitude	4300 m

Storage and transport conditions

Temperature range	–25 to 70 °C
Relative humidity	10–85 % (no condensation)

CK-MB, Creatine kinase-myocardial band; DMS, data management system; ER, emergency room; GP, general practitioner; NT-proBNP: N-terminal natriuretic peptide fragment; POC, Point of Care.

Reference:

1 Roche (2016). **cobas h 232** POC system Operator's Manual, Version 6.0.

COBAS, COBAS H, ROCHE CARDIAC, IQC and LIFE NEEDS ANSWERS are trademarks of Roche.

©2018 Roche

P.T. Roche Indonesia
AIA Central, 36th Floor
Jakarta 12930, Indonesia
Tel. +62-21-3041 3000
Fax. +62-21-2253 1389
www.roche.com
www.cobas.com

Halo Roche
The Real Expert Solution
Toll Free : 0800-1401381
Hotline : 021-30413041
WhatsApp : 0811-3111201

Technical data

Screen	Color touchscreen
Memory	2000 patient test results 500 QC test results 200 IQC test results 4000 patient list entries 5000 operator list entries
Data transfer via	QR code WiFi USB (handheld base unit and computer are required)
Interface	Infrared interface, LED/IRED class 1
Supported communication interfaces	IR-printers POCT1-A communication via docking station POCT1-A communication via WiFi QR code
Supported barcodes	Code 128, Code 39, Code 93, EAN 13, Interleaved 2/5, Codabar, GS1 DataBar Limited, QR Code, DataMatrix, PDF417, Aztec
Power adapter	Input: 100–240V AC (±10%) / 50–60 Hz / 350–150 mA Output: 12V DC / 1.25 A
Battery pack	Universal battery pack (Material order no.: REF 06869904001) Typically 10 patient measurements
Battery operation	Meter switches off after auto-off-timer is elapsed (default 5 min) or pressing On/Off-button
New: Standby mode with external power supply	New power state 'standby': Meter automatically switches to 'standby' mode after 10 minutes of inactivity or by pressing On/Off-button
Start-up time	Less than 20 seconds (for new start) and 1 second (from standby mode)
Measurement time	8 to 12 minutes (depends on test parameter)
Number of tests with fully charged battery	Approx. 10 tests
Automatic power-off	Programmable 1...60 minutes
Dimensions	244 x 105 x 51 mm
Weight	Approx. 526 g incl. battery pack and scanner



Material order no.

REF 04901126190
With QR code,
no barcode scanner
and no WiFi

REF 04901142190
With integrated WiFi,
barcode scanner
and QR code

RDID/PML 102/POC/07/2018



cobas h 232 POC system pocket guide

Cardiac marker tests for differential diagnosis of cardiovascular diseases:

On-the-spot care & share



cobas h 232 POC system

Cardiac markers – at a glance

CARDIAC marker Material order no.	Clinical utility	Time to result	Measuring range	Cut-off /reference range								
Troponin T Extended measuring range: Roche CARDIAC POC Troponin T REF 07007302190	Early aid in diagnosis of acute myocardial infarction (AMI) and identification of patients with an elevated mortality risk ¹⁻³	12 min	40 – 2,000 ng / L	< 50 ng / L – Both typical and atypical symptoms connected with a Troponin T value < 50 ng / L in patients with suspected AMI or in patients presenting with acute chest pain call for the application of further diagnostic measures, including repeated cTnT tests e.g. after 3 – 6 h to detect rising Troponin T levels ³⁻⁵ ≥ to 50 ng / L – A Troponin T value ≥ 50 ng / L is highly predictive of long-term mortality, irrespective of AMI. Appropriate treatment in the catheterization laboratory, an acute cardiac care unit, or another emergency facility must be ensured ³ *The range of 50 – 100 ng / L is semiquantitative ²								
Roche CARDIAC T Quantitative REF 04877772190		12 min	50 – 2,000 ng / L*									
NT-proBNP Roche CARDIAC proBNP+ REF 05533643190	Aid in diagnosis of patients with suspected heart failure (HF), in monitoring of patients with compensated left ventricular dysfunction and in risk stratification of patients with acute coronary syndromes ⁶	12 min	60 – 9,000 pg / mL	< 125 pg / mL – Exclusion of non-acute HF < 300 pg / mL – Exclusion of acute HF Consideration of age-stratified cut-points for diagnosis⁷ <table><tr><td>Patient age</td><td>NT-proBNP value</td></tr><tr><td>< 50 years</td><td>> 450 pg / mL</td></tr><tr><td>50 – 75 years</td><td>> 900 pg / mL</td></tr><tr><td>> 75 years</td><td>> 1800 pg / mL</td></tr></table>	Patient age	NT-proBNP value	< 50 years	> 450 pg / mL	50 – 75 years	> 900 pg / mL	> 75 years	> 1800 pg / mL
Patient age	NT-proBNP value											
< 50 years	> 450 pg / mL											
50 – 75 years	> 900 pg / mL											
> 75 years	> 1800 pg / mL											
D-dimer Roche CARDIAC D-Dimer REF 04877802190	Exclusion of deep vein thrombosis (DVT) ⁸ and pulmonary embolism (PE) ⁹	8 min	0.1 – 4.0 µg / mL	<0.5 µg / mL – PE / DVT unlikely If clinical suspicion remains, follow standard investigation procedures >0.5 µg / mL – PE / DVT cannot be ruled out Follow standard investigation procedures for the investigation of PE / DVT ¹⁰								
Myoglobin Roche CARDIAC M REF 04877799190	An early marker of myocardial damage to assist in diagnosis of acute coronary syndrome and myocardial infarction ^{11,12}	8 min	30 – 700 ng / mL	Female: 7 ng / mL – 64 ng / mL Male: 16 ng / mL – 76 ng / mL								
CK-MB Roche CARDIAC CK-MB REF 04877900190	Diagnosis of acute coronary syndrome and myocardial infarction, assessment of reinfarction ^{12,13}	12 min	1.0 – 40 ng / mL	Female: 4 ng / mL* Male: 7 ng / mL* *At the 99 th percentile of a reference population								

AMI, acute myocardial infarction; NT-proBNP, N-terminal natriuretic peptide fragment; HF, heart failure; DVT, deep vein thrombosis; PE, pulmonary embolism; M, myoglobin; CK-MB, creatine kinase-myocardial band.