

MULTICAREIN



BSI
DIAGNOSTICS
SELF TESTING





SELF TESTING

*Personal medical devices for metabolic disorders
MONITORING and PREVENTION, taking advantage of
reflectometric and electrochemical technologies.*

Altered blood parameters as high blood glucose, high serum cholesterol, high serum triglycerides may define a clinical condition known as **METABOLIC SYNDROME**¹ which can increase **CARDIOVASCULAR RISK**².

MULTICARE-IN is a self-testing multiparametric system for the monitoring of metabolic disorders. It was developed for patients' home use. Multicare-in can accurately measure blood glucose, cholesterol and triglycerides on the same device in seconds by fingertip pricking³.

¹ Whitehead SJ, Ford C, Gama R. A combined laboratory and field evaluation of the Cholestech LDX and CardioChek PA point-of-care testing lipid and glucose analysers. *Ann Clin Biochem.* 2014 Jan; 51(Pt 1):54-67. doi: 10.1177/0004563213482890. Epub 2013- Jul 23.

² Vetrano DL, Martone AM, Mastropaolo S, et al., *Prevalence of the seven cardiovascular health metrics in a Mediterranean country: results from a cross-sectional study.* *Eur J Public Health.* 2013 Oct;23(5):858-62. doi: 10.1093/eurpub/ckt130.

³ Marzetti E, Calvani R, Picca A et al., *Prevalence of dyslipidaemia and awareness of blood cholesterol levels among community-living people: results from the Longevity check-up 7+ (Lookup 7+) cross-sectional survey.* *BMJ Open.* 2018 Jun 30; 8(6):e021627.

■ MULTICARE-IN

allows patients to check essential parameters involved in metabolic disorders, to send them to a smartphone/tablet and to share them with clinicians.*

*optional, Bluetooth connectivity available depending on product version





- MULTICARE-IN was developed for testing **Glucose, Cholesterol** and **Triglycerides** on a single device by fingertip pricking.

Arezzo, Italy



- Every test is performed with dedicated strips and dedicated memory chips.

Multicare-In can transfer data connecting with smartphone / PC / tablet.

MULTICARE-IN's features make it a unique device for the monitoring of metabolic disorders.



SAFE

ejection of the strip.



MEMORY

up to 500 determinations.



EASY TEST PROCEDURE

Switch from a test to another simply by changing the strip and data chip.



CONNECTABLE

with smartphone/ tablet with dedicated APP for iOS/Android.



CUSTOMIZABLE

with Male/Female and Fasting/Not fasting correction factors.



SOLID

lithium battery is sufficient for 1 year/1000 determinations; the device works in a wide range of climatic conditions.



PORTABLE

weight 65 g.



QUICK

5 secs for glucose determination, from 30 to 60 secs for cholesterol and triglycerides determination.



ACCURATE

with Amperometric technology for glucose and Reflectometric technology for cholesterol and triglycerides.*
*ISO 15197: 2015



MULTICARE-IN METER TECHNICAL SPECIFICATIONS

Measurement range	10-600 mg/dL (0.6-33.3 mmol/L) glucose 130-400 mg/dL (3.3-10.2 mmol/L) cholesterol 50-500 mg/dL (0.56-5.6 mmol/L) triglycerides
Power source	2X3V lithium button cell, type CR 2032. The battery can be used for approx. 1 year with 3 measurements per day (approx. 1000 measurements)
Switch on	Automatic switch on by strip detection
Dimensions	Length: 97 mm / Height: 20,5 mm / Width: 49 mm
Weight	65 g (incl. batteries)
Indicator	LCD display
Climatic operating condition	Temperature limits: from 10 to 40°C (50°-104°F) Humidity limits: 0% to 90% relative humidity (non-condensing) Altitude limit: 3000 meters
Memory capacity	500 measured values with time and date
Interface for data processing	Connecting cable and software/bluetooth + App
Warranty of the meter	3 years

MULTICARE-IN STRIPS TECHNICAL SPECIFICATIONS

	CHOLESTEROL STRIPS	GLUCOSE STRIPS	TRIGLYCERIDES STRIPS
Measurement method	Photometric	Amperometric	Photometric
Range of measurement	130-400 mg/dL (3.3-10.2 mmol/L)	10-600 mg/dL (0.6-33.3 mmol/L)	50-500 mg/dL (0.50-5.6 mmol/L)
Sample	Fresh capillary blood	Fresh capillary blood	Fresh capillary blood
Reading time	From 30 to 60 sec.	5 sec.	From 30 to 60 sec.
Sample volume	10 µL	0,5 µL	10 µL
Hematocrit dependence	35-50%	30-55%	30-50%
Storage condition	5-30°C (41-86°F)	5-30°C (41-86°F)	5-30°C (41-86°F)
Packaging	Boxes of 5, 25 pcs	Boxes of 25, 50 pcs	Boxes of 5, 25 pcs



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