Hb NEXT

Fully automated HPLC hemoglobin analyzer

Efficiency and accuracy for quality patient care

A next generation HPLC solution ready to grow and evolve for your testing needs

A.MENARINI diagnostics

Confidence in the results you deliver for rapid and reliable diabetes diagnosis and monitoring

The significance of HbA1c for long-term glycemic control monitoring has increased with the continuing rise in the number of people with diabetes.

From **A.Menarini Diagnostics** comes the latest model of glycohemoglobin analyzers: **Hb NEXT**.

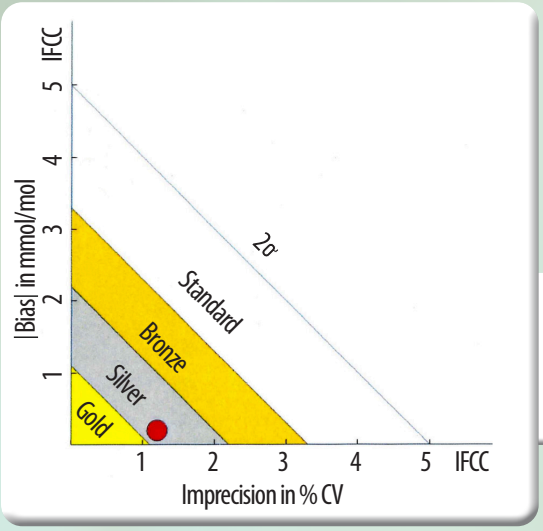
Hb NEXT is the new reversed-phase cation exchange HPLC analyzer designed to deliver precise and accurate HbA1c values in the presence of hemoglobin variants (HbE, HbD, HbS, and HbC) and to meet the most stringent guidelines for diabetes diagnosis and monitoring.

The reliable results are traceable to the IFCC reference method.

This cutting-edge, fully automated system combines HPLC precision and variant detection with the rapid throughput your laboratory needs.

Hb NEXT offers high performance, user-friendly steps, and no sample preparation.

Most importantly, it delivers results clinicians can trust.



Hb NEXT
validation and performance according to the IFCC HbA1c Certification Programme

Bias	=	-0.2 mmol/mol
Imprecision	=	1.2 %

Criteria derived from the IFCC model for the Quality Targets HbA1c (Clin Chem 2015; 61:752:59)

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KEY FEATURES AND BENEFITS (VARIANT MODE) …WITH MORE TO COME

SUPERIOR HbA1c ACCURACY, RESULT RELIABILITY AND TRACEABILITY

- HbA1c accuracy in the presence of hemoglobins E, D, S, C – no interference by variants
- Standardized according to IFCC and transferable to DCCT/NGSP
- Sample identification and reagent traceability via barcode scanning
- Full compatibility between different lots of eluents and column

FULLY AUTOMATED AND HIGHLY EFFICIENT WORKFLOW

- High processing speed: 60 sec/test
- High column lifetime: at least 6000 tests
- Minimized operator intervention
- Closed tube sampling for maximum safety to the operator
- Automatic sample stirring function
- Easy-to-maintain

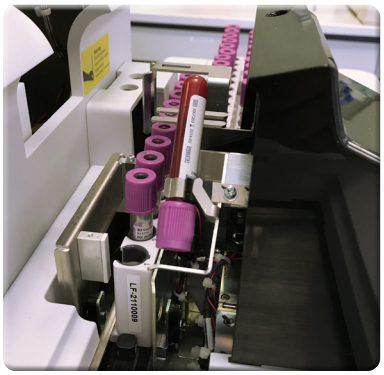
RACKS AND REAGENTS

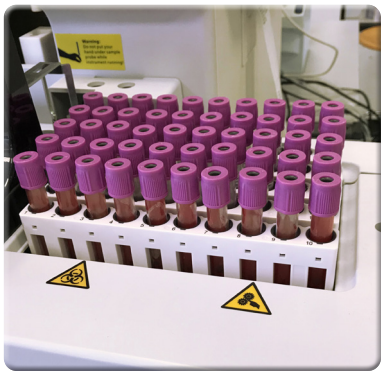
Sample racks

- Sample type (whole blood, anemic samples or pre-hemolysed samples) can be automatically recognized by the analyzer by using dedicated sample racks

Reagent containers

- Two reagent containers are available for each eluent, to allow the substitution of the empty container without interrupting the measurement routine





A.MENARINI diagnostics

For professional users only

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Technical specifications (Variant mode)

Intended use	Quantification of stable glycated hemoglobin (HbA1c) in human whole blood in the presence of hemoglobin variants for the diagnosis and monitoring of diabetes mellitus
Samples	Human whole venous blood and pre-hemolysed samples
Measurement principle	Reversed-phase cation exchange chromatography
Measurement unit	Peak calibration and result calculated in SI units (mmol/mol) - Conversion to NGSP % value via IFCC master equation
Measurement resolution	0.1 mmol/mol
Quantitative range	HbA1c: 9-195 mmol/mol, 3-20%
Processing speed	60 seconds per sample
Throughput	60 samples/hr
Warm-up time	<5 minutes from standby
Minimum sample volume	300 µL in standard whole blood containers
Sample consumption	Whole blood samples: 5 µL
Sample container	Whole blood sample tube: (12-15 mm diameter) × (75-100 mm height) / With mixing function active: (12.3-13.2 mm diameter) × (75-85 mm height)
System operating environment	Temperature: 10-30 °C; humidity: 20-80% R.H. (no condensation)
Column lifetime	At least 6000 tests
Sample identification	Internal barcode reader
Sampler capacity	50 samples + 1 STAT position
Display and printer	10.1" TFT color LCD screen and thermal printer
Power supply and consumption analyzer	AC 100V~240V, 50-60 Hz, 250 VA
Dimensions	LxWxH 722x730x729 mm
Weight	66 kg
Connectivity	LIS: RS-232, RJ45 Ethernet, bidirectional protocol

List of products and codes

55607	HbNEXT ANALYZER	1pcs
55604	HbNEXT ANALYTICAL COLUMN	1pcs
55599	HbNEXT ELUENT A	1 x 800 mL
55600	HbNEXT ELUENT B	1 x 800 mL
55601	HbNEXT ELUENT C	1 x 800 mL
55603	HbNEXT HAEMOLYSIS SOLUTION H	1 x 2500 mL
55606	HbNEXT HbA1c CALIBRATOR	2 x 0.1 mL
55605	HbNEXT HbA1c CONTROL	2 x 0.1 mL

HbNEXT is available in the following A.Menarini Diagnostics countries:

Austria: https://www.menarinidiagnostics.at
Benelux: https://www.menarinidiagnostics.be
France: https://www.menarinidiagnostics.fr
Greece: https://www.menarinidiagnostics.gr
Italy: https://www.menarinidiagnostics.it
Nordics: https://www.menarinidiagnostics.se
Portugal: https://www.menarinidiag.pt
Spain: https://www.menarinidiag.es
UK: https://www.menarinidiag.co.uk

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www.menarinidiagnostics.com