

InnovaStar[®]

POC Testing in Lab Quality

**FASTER
ASSAY TIME!**
HbA1c
< 5 min



Precise. Flexible. Easy.
The New Dimension of POC Testing
for HbA1c and CRP.

DiaSys

Diagnostic Systems

CHOOSING QUALITY.

InnovaStar® – POC Testing at a New Level

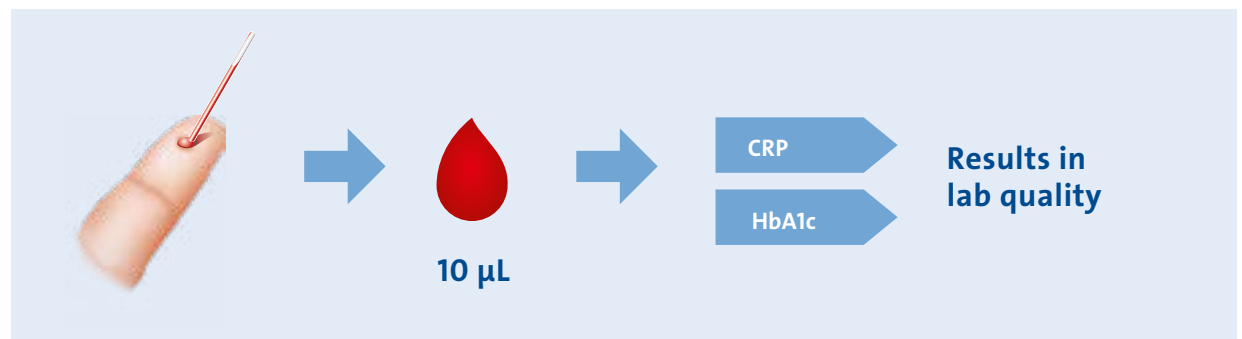
Easy to use, superior precision, rapid results: InnovaStar® brings POC testing to a new quality level. A fully automatic, compact analyzer for daily practice, providing the performance you would expect from a laboratory analyzer.



InnovaStar® – The Flexible Solution

Efficiency will be a decisive factor in the physicians' ability to confront future challenges such as the rapid rise in the number of diabetics. This requires fast and user-friendly instruments that produce precise and reliable results. InnovaStar® offers a broad range of superior features, guaranteed to make your daily routine much easier.

InnovaStar® processes whole blood, serum and plasma, depending on the parameter used. One decisive advantage of InnovaStar® is its ability to carry out multiple tests from a single 10 µL whole blood sample.

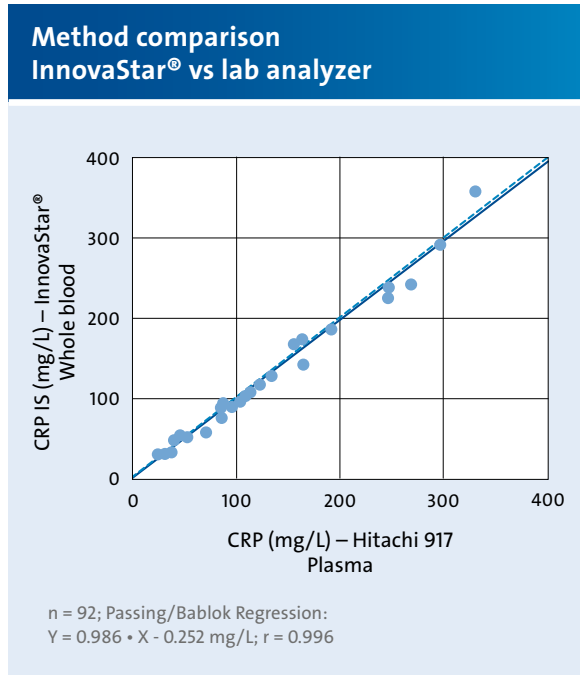
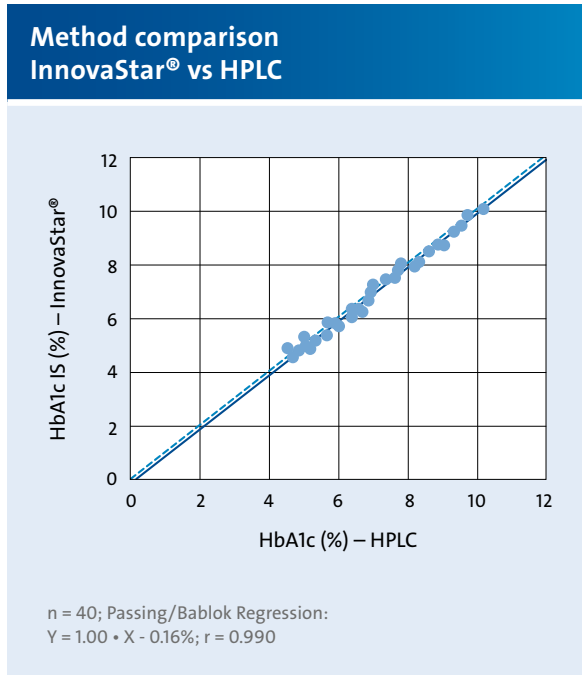


Benefits:

- High flexibility – individual configuration
- Less harmful for the patient – blood withdrawal only once
- Time saving and cost-effective – immediate results, no multiple visits

Laboratory Quality in its Most Compact Form


InnovaStar® represents a system where reagent and device perfectly match. The underlying technology and reagents in established DiaSys quality are identical to the ones used on clinical laboratory analyzers. As for lab analyzers HbA1c determination on InnovaStar® is carried out according to IFCC guidelines. These preconditions ensure high quality results with reliable precision.



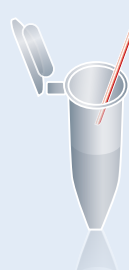
Precision in decision range

	HbA1c IS	CRP IS
Mean	6.6% DCCT	10.6 mg/L
SD	0.096% DCCT	0.22 mg/L
CV	1.44%	2.10%

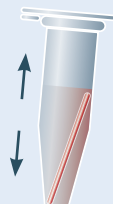
Quick Guide



1. Sampling
Take 10 µL whole blood with a capillary.



2. Preparation
Place the filled capillary into the sample cup.



3. Mixing
Close the lid and mix gently by inversion.

Unique Features

Individual Hematocrit Correction

To ensure comparability of test results to laboratory analyzers InnovaStar® automatically provides a sample individual hematocrit correction for CRP. By this correction plasma values are calculated even if whole blood samples are used. Thereby, reliable results in laboratory quality are ensured.

Convenient Cartridge Use

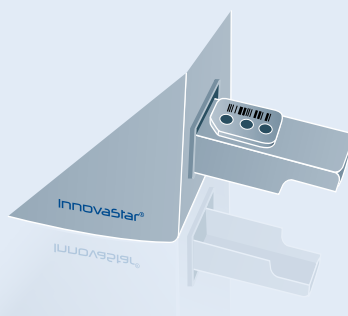
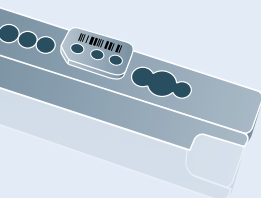
- Filled with the same DiaSys quality reagents as for lab analyzers
- Identical technology as clinical chemistry analyzers
- Barcoded cartridges – no usage of expired reagents, automatic test recognition by barcode
- Pre-calibrated tests – no extra calibration costs
- Excellent calibration stability



Test characteristics		
	HbA1c IS	CRP IS
Measuring range	3 – 14% (DCCT) 9 – 130 mmol/mol (IFCC)	5 – 400 mg/L (wb)* 2 – 160 mg/L (plasma)
Specimen	Whole blood	*Whole blood Plasma
Sample volume	Up to four results from 10 µL	
Time to result	< 5 min	7 min
Hematocrit correction	n. a.	Yes
Traceability	IFCC, DCCT/NGSP	ERM®-DA474/IFCC reference material

4. Loading slider

Place the sample cup in position 1. Reagent cartridges are placed in any other position.



5. Measurement

Inserting the slider starts measurement automatically. Results are available after 2 – 7 minutes (depending on the parameter).



- High precision system
- Highly flexible: For HbA1c and CRP from same sample
- IFCC certified HbA1c test
- Superior results in laboratory quality
- Easy to use
- Colored touch screen
- Fully automated measurement

Efficient operation combined with convenient use

- Fully automated system – no manual steps required during measurement
- Single cartridge containing all reagents needed for testing
- Precalibrated tests – no time-consuming calibration – cost saving
- Measurement of two tests from one sample
- Software available in several languages (ENG, GER, FRA, PORT, RUSS, NOR)
- Additional languages available on request
- Intuitive software – no special knowledge needed
- Selectable units – no manual calculation
- Expandable parameter portfolio

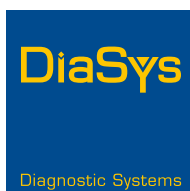
Technical specifications

Measurement principle	Photometric/Turbidimetric
Barcode identification	Automatic barcode scan for reagents; Barcode scanner for samples optionally
Thermostatic control	Measurement constantly at 37°C
Connectivity	RS232 connection; USB connection via adapter
Selectable units	e. g. for HbA1c mmol/mol, % DCCT
Dimensions	200 mm (W) x 150 mm (H) x 170 mm (D)
Weight	4 kg
User interface	2,8" colored touch screen

Handed over by:



Climate-neutral print
(Carbon neutral)
ID: DE 626-2XSFE6D
Printed on FSC-certified paper



DiaSys
Diagnostic Systems GmbH
Alte Strasse 9
65558 Holzheim
Germany

Phone: +49 6432 9146-0
Fax: +49 6432 9146-32
E-Mail: systems@diasys.de
www.diasys-diagnostics.com

