

InnovaStar® Precision Made Easy

Now with
hematocrit
correction



Easy To Use. Precise. Flexible.
The New Dimension In POC Testing
For HbA1c, CRP And More.

DiaSys

Diagnostic Systems

CHOOSING QUALITY.

POC Testing: The New Standard. InnovaStar® From DiaSys.

Easy to use, superior precision, rapid results: InnovaStar® from DiaSys brings POC testing to a whole new level. A fully automatic, compact analyzer for the daily practice that delivers the kind of performance you would expect from a laboratory instrument.



Precise results for HbA1c, CRP, Glucose, Hemoglobin and more: the universal POC analyzer

Regardless of whether you are a general practitioner, a diabetologist, or a specialist in another area: you expect a lot from point-of-care diagnostic tools because there can be no compromises when it comes to the wellbeing of your patients. DiaSys has made a name for itself as a provider of high quality reagents and has been extending its core competencies to the development of diagnostic instruments including an all-inclusive POC

testing system. Testing and technology are perfectly attuned and produce results with superior reliability and security.

The InnovaStar® will prove to be a good investment in the future of your practice. Because it is automated and easy to use, testing of patients is a matter of simple routine. Adding more tests will be easy. Further parameters developed by DiaSys are successively to come.



- A precision system
- Highly flexible: for HbA1c, CRP, glucose, hemoglobin and more
- NGSP/IFCC certified HbA1c test
- Up to four tests from one sample
- Superior results with laboratory quality
- Individual hematocrit correction
- Easy to use
- Rapid throughput

What You Need Is What You Get. Result By Result. Patient By Patient.

Efficiency will be a deciding factor in the physician's ability to confront future challenges such as the rapid rise in the number of patients suffering from diabetes. This requires instruments that are fast, easy to use, and produce precise, reliable results. Here is where InnovaStar® can offer a broad range of superior features, guaranteed to make your daily routine significantly easier.



Efficient operation: easy to use

The key to process efficiency is how easy it is to operate the system. Mastering the InnovaStar® requires no special knowledge, which means it can be put to use almost immediately. And testing couldn't be easier, with a single cartridge containing all the reagents

needed. Once underway, the tests run automatically; you the user just have to wait for the results. And best of all, the tests for InnovaStar® come precalibrated. The instrument can add necessary values from parameter cards, thus saving time and effort in calibrating it yourselves.

Quick guide



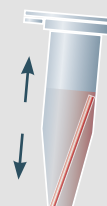
1. Sample taking

The sample blood is easily taken with the glass capillary: just fill the capillary up to the mark at minimum (10 µl).



2. Preparation

Break the filled capillary and put it into the sample cup.



3. Mixing

Close the lid and mix the sample cup gently by inversion.

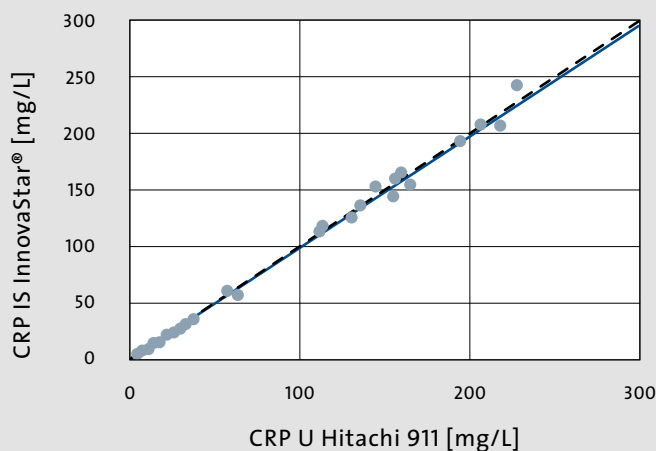
**Practice-proven:
more flexibility and expandability**

Conceived as a universal analyzer with 19 possible methods for use, one decisive advantage of InnovaStar® is its ability to carry out multiple tests at the same time. Depending on the parameter, the samples can be taken from whole blood, serum, plasma and urine. The system design allows the same reagents used in central laboratories on clinical analyzers. In consequence, InnovaStar®

can provide test results with the same quality you would expect from a professional laboratory.

Additionally, the use of DiaSys' renowned liquid-stable reagents provides a convenient upgrade with future parameters – a cost-effective add-on for every surgery or laboratory.

Method comparison CRP (plasma)



InnovaStar® versus automated clinical chemistry analyzer

n = 35

Passing/Bablok Regression
 $y = 0.994 x - 0.378 \text{ mg/L}$

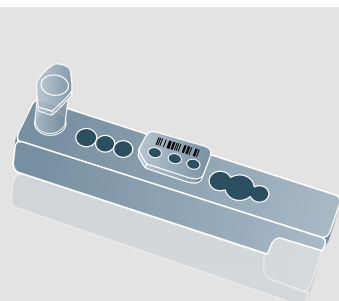
Coefficient of correlation
 $r = 0.998$

**Peak precision:
laboratory quality in its most compact form**

In combination with the tests, InnovaStar® provides a system where reagents and instrument function in perfect harmony. The reagents are identified by an automatic barcode scan. The testing with unit-dose reagents is very easy and parameter cards provide an automatic calibration. The technology behind the InnovaStar® is the same as for analyzers used in clinical laboratories. In the InnovaStar®, it's been reduced to its most compact form. And there is no difference in quality: for example, HbA1c determination on InnovaStar® is carried out according to DCCT/NGSP and IFCC guidelines.

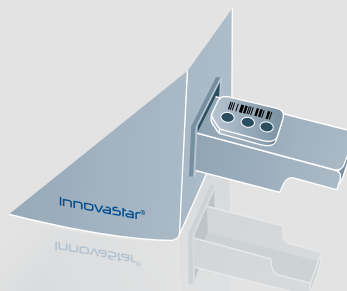
Individual hematocrit correction

As IFCC and many national organizations recommend, InnovaStar® provides the reporting of glucose plasma values irrespective of the sample type. The HCT (hematocrit) determination of every sample enables the calculation of the individual compensation factor avoiding miscalculations of plasma glucose values.



4. Loading slider

The sample cup is placed in position 1. Reagent cartridges are placed in any other position.



5. Measurement

Insert slider and start. Results are available after 2 – 8 minutes (depending on the parameter).

InnovaStar[®] From DiaSys

Technical specifications

Barcode identification	Automatic barcode scan for reagents; barcode scanner for samples optionally
Data storage	50 results
EDP interface	RS232 connection; USB connection via adapter
Dimensions	200 mm (W) x 150 mm (H) x 170 mm (D)
Weight	4 kg
Method storage	Up to 19 different methods or lots
Individual language	Adaption to national language possible
Selectable units	e. g. for HbA1c mmol/mol, % DCCT

Performance in its most compact form

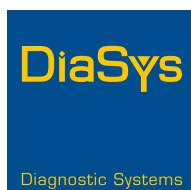
- POC testing at the highest level of quality
- Fully automated for greater efficiency and convenience in daily practice
- Precision system with high-quality reagents and state-of-the-art technology
- Economical for analysis and monitoring
- NGSP/IFCC certified HbA1c test
- Expandable with future parameters
- Easy to learn, easy to use
- Automatic input of calibration values with parameter cards
- Testing made easy with unit-dose reagents – higher efficiency Two-in-one testing
- Up to four tests from one sample
- Individual hematocrit correction



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