

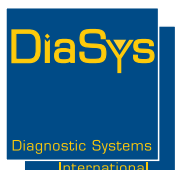


InnovaStar®

ADVANCED DIABETES ANALYZER:

- :: HbA1c
- :: Glucose
- :: Hemoglobin

InnovaStar® - POC convenience combined with laboratory precision



CHOOSING QUALITY.

InnovaStar®- POC convenience combined with laboratory precision

- :: Performance comparable to automated clinical chemistry analyzers
- :: Pre-calibrated methods
- :: Photometric measurement
- :: Easy handling
 - All measurements from one hemolysate
 - Automated diluting, mixing, incubating and measuring
- :: Fast measurements with excellent precision
- :: Flexible
 - HbA1c measurement is standardized according to IFCC reference method and DCCT/NGSP
 - All international units selectable (e.g. IFCC: mmol/mol HbA1c)
- :: Set for the future
 - Additional parameters are coming soon

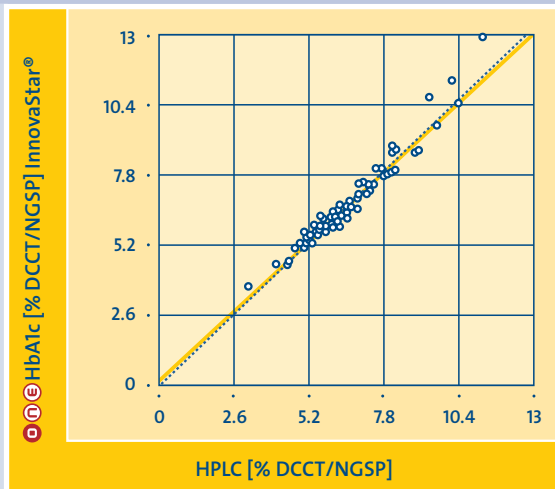
Precision

Intra-assay n=20	HbA1c (DCCT/NGSP)	Glucose	Hemoglobin
Mean	5.10 %	125 mg/dL	12.0 g/dL
SD	0.14 %	1.59 mg/dL	0.136 g/dL
CV	2.74 %	1.27 %	1.13 %

Measuring range and time

	HbA1c (DCCT/NGSP)	Glucose	Hemoglobin
Range	4 – 15 %	15 – 800 mg/dL (0.83 – 44.4 mmol/L)	0.5 – 20 g/dL 0.3 – 12.4 mmol/L
Time to result (approx.)	7 min	7 – 8 min	1 – 2 min

Method comparison HbA1c



InnovaStar® vs. HPLC

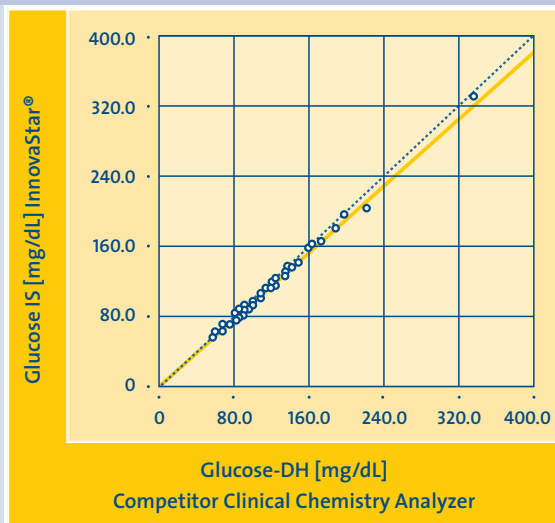
n = 94

Passing/Bablok Regression:

$$y = 1.00x + 0.11\%$$

r = 0.972

Method comparison glucose



InnovaStar® vs. competitor clinical chemistry analyzer

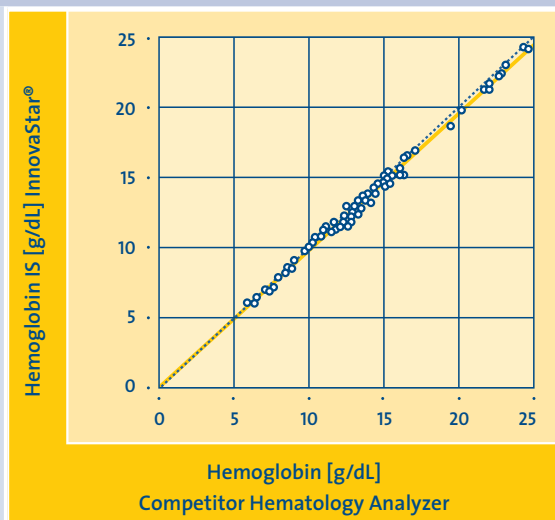
n = 56

Passing/Bablok Regression:

$$y = 0.969x - 0.957 \text{ mg/dL}$$

r = 0.996

Method comparison hemoglobin



InnovaStar® vs. competitor hematology analyzer

n = 103

Passing/Bablok Regression:

$$y = 0.987x - 0.152 \text{ g/dL}$$

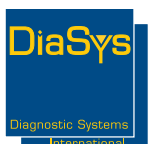
r = 0.997

InnovaStar®

Technical specifications

System type	Automated clinical chemistry analyzer; flow cell photometer
Measurement principle	Colorimetry (Rate/End Point); Turbidimetric Immunoassay
Calibration	Pre-calibrated Methods
Combined reagent/sample slider	1 sample position + 3 reagent positions
Sample types	Serum, plasma, urine, CSF, whole blood
Methods on board	15 methods or reagent lots
Bar code identification	Automatic bar code scan for reagents; bar code scanner for samples optionally
Reagents	Unit dose cartridges; ready-to-use
Reaction unit	Temperature controlled flow cell cuvette at 37 °C ± 0.1 °C
Photometry	Wavelength range from 450 to 700 nm; mono- and bichromatic
Photometric linearity	0 – 2 OD
Data storage	50 results
EDP interface	RS232 connection; USB connection via adapter
Voltage/ Power consumption	12V DC / 12W max
Dimensions	200 mm (W) x 150 mm (H) x 170 mm (D)
Weight	4 kg

These specifications are subject to change without notice.



DiaSys Diagnostic Systems GmbH

Alte Strasse 9 :: 65558 Holzheim :: Germany

Phone +49 (0) 64 32 /91 46-0 :: Fax +49 (0) 64 32 /91 46-32

mail@diasys.de :: www.diasys-diagnostics.com