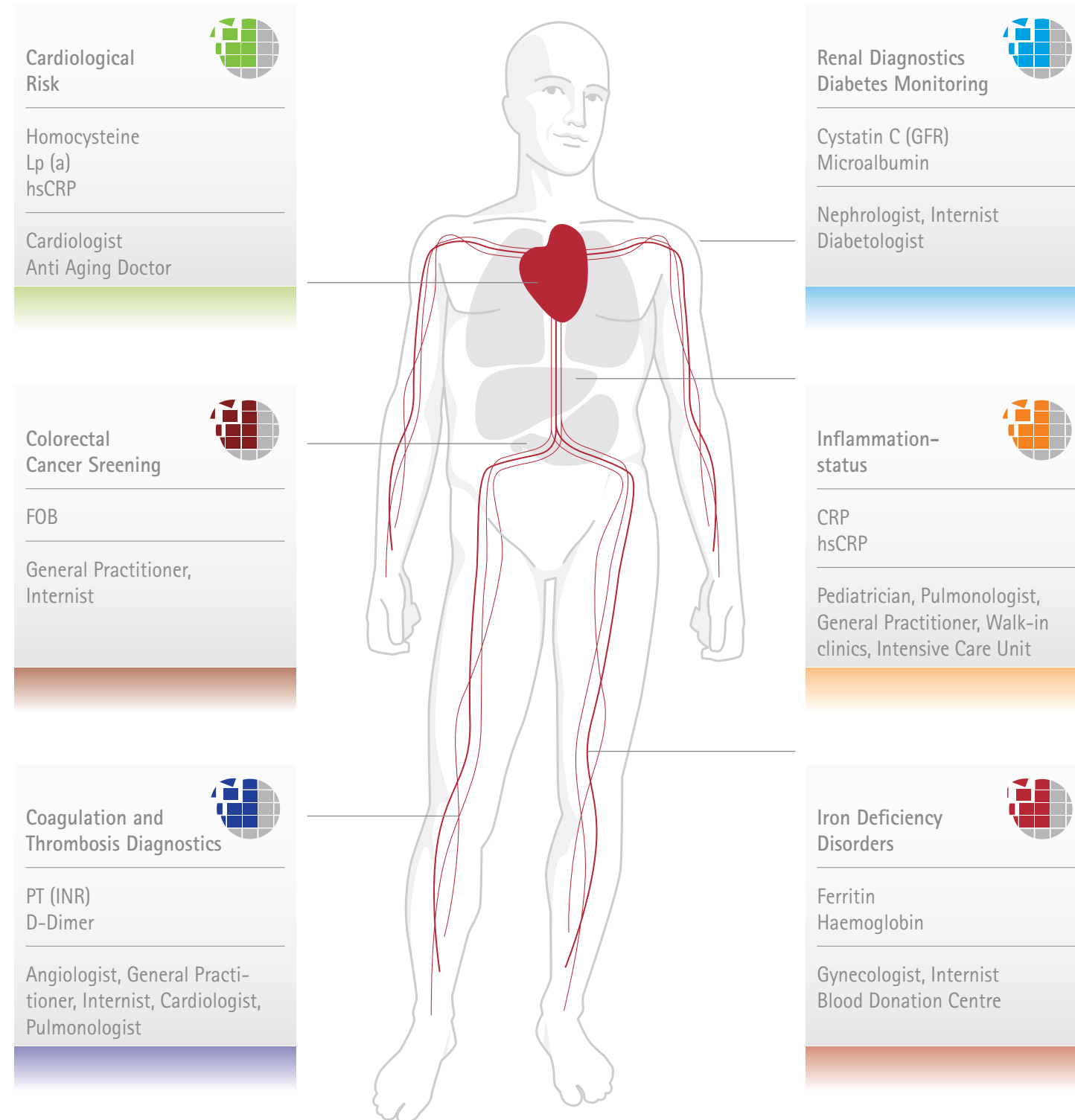


smart is versatile

The Eurolyser smart now features test parameters for six clinical areas of application. It is the only multiparameter point-of-care instrument that covers this broad and constantly expanding range of applications with the greatest precision.



smart is beautiful



Quality is our top priority

The Eurolyser smart's precision, durability and user-friendliness is the result of concerted efforts. High investments in research and development and close contact with our customers in 45 countries form the basis for leading technological and cost-effective solutions.

smart is simple

Thanks to the touch-screen, navigating the menu is self-explanatory. The instrument reads the type of test, the calibration curve, batch number and the expiration date from the RFID card. The instrument performs the tests completely automatically in just a few minutes. The smart also performs the plausibility check autonomously.

Test Procedure



Insert the RFID card.

Collect a sample.

Insert the cartridge.

Press 'Start' – done!

Portfolio of Tests

smart Instrument			Parameter	Sample Material	Sample Volume	Assay Range	Precision within run
700/340	700	546					
x	x	x	CRP	Serum/plasma, Whole blood	5 µl	1 – 120 mg/l 2 – 240 mg/l	cv < 2,5 % cv < 6,4 %
x	x		Cystatin C (GFR)	Whole blood	20 µl	0,33 – 80 mg/l 57,6 – 3,7 ml/min/ 1,73 ml	cv < 7,0 %
x	x		D-Dimer	Citrate plasma	20 µl	85 – 3000 ng/ml	cv < 6,0 %
x	x	x	Ferritin	Serum	50 µl	0 – 500 ng/ml	cv (220 ng/ml) < 5 %
x	x	x	FOB	Collector Liquid	1 drop	25 – 1000 µg/l	cv < 10,0 %
		x	Haemoglobin (Cyanide-free)	Whole blood	20 µl	0 – 30g/dl	cv < 2,1 %
x			Homocysteine	Serum/plasma	20 µl	2 – 60 µmol/l	cv < 3,0 %
x	x	x	hsCRP	Serum/plasma, Whole blood	20 µl	0,25 – 40 mg/l 0,50 – 40 mg/l	cv < 6,0 % cv < 9,0 %
x	x		Lipoprotein (a)	Serum/plasma	20 µl	2 – 80 mg/dl	cv < 2,5%
x			Microalbumin	Urin	20 µl	5 – 300 mg/l	cv < 5,0 %
x	x		PT (INR)	Whole blood Citrate plasma	20 µl	0,9 – 6 INR	cv < 5,0 %
x	x		Troponin 1	Serum/plasma	50 µl	0,30 ng/ml – 10 ng/ml	cv < 5,65 %



The Latest RFID Technologies:

- » Pre-set calibration curve
- » Identifies lot expiry date
- » Indicates the number of tests remaining

User-Friendly Communications Interface

- » Easy, intuitive operation
- » Quick data entry with pictogrammes
- » RS 232 and USB interfaces
- » Simple data transfer to a printer or host
- » Touch-screen display

Maintenance-Free

- » Fully automated analysis
- » A reliable cartridge system

Specifications

- » Weight: 3.4 kg
- » Dimensions: 26 x 14.5 x 14 cm
- » CE-compliant

Options

- » Seiko DPU-414 thermal printer (recommended)
- » Barcode reader
- » Able to connect to a PC and to HIS or LIM

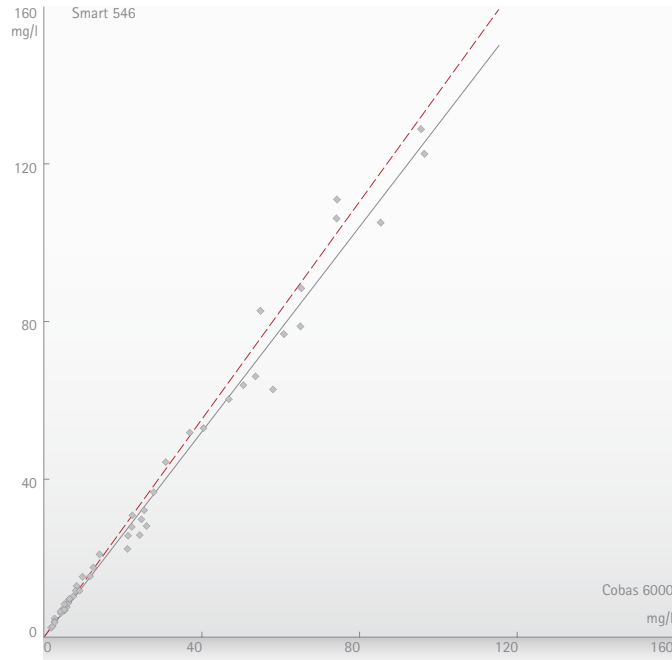


smart is ready for the future

As precise as large scale laboratory systems

The Eurolyser smart's charm lies in its effective symbiosis between simplicity and precision – a precision that until now has been achieved only by large-scale laboratory systems. Independent verifiers and practitioners confirm: the correlations between the standard, large clinical analyzers and the smart always exceed the required limits.

The Results for the Smart 546 CRP vs the Cobas 6000



Ideal for OEM Partners & Clinical Studies

The Eurolyser offers the development of customized applications, including on an OEM basis. The flexibility and accessibility of the Eurolyser smart's platform creates the ideal conditions for OEM partners who do not have their own platform and/or who want to begin doing their own patient-oriented analytics.

The smart is ideally suited to conducting clinical studies. Once it has been set-up, the system is instantly ready to perform tests worldwide. The result: a considerable reduction in the "time to market" and significant cost savings.

Open and Ready for the Future

The Eurolyser company's intent is to serve as a system integrator and create a link between reagent manufacturers, research institutes, start-up companies, globally active businesses and their customers.

The test cartridge design permits continuous development and adaptation of new tests and parameters for a wide range of reagent manufacturers.

Graphic, left:

Source: LabConsult
Study: Evaluation of the CRP measurement system of the smart 546
 $r^2 = 0.993$
Passing-Bablok agreement test $N=50$
Slope: 0.938 (0.906 to 0.981)
Intercept: 0.32 (-0.15 to 0.82)

smart

EUROLyser
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Technical details subject to change without notice.
Due to regulatory issues, not all products are available in all countries.

smart point of care center



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