



reddot award 2014
winner

Icon is the winner of the Red Dot Product Design Award 2014



Senetics Innovation Award 2014
Category "Most Innovative Product in the Health Care Sector"

Specifications

Parameters:	WBC, LYM, MID, GRA, LYM%, MID%, GRA%, HGB, RBC, HCT, MCV, RDWcv, RDWsd, MCH, MCHC, PLT, MPV, PCT, PDWcv, PDWsd, P-LCR%, P- LCC
Histograms:	WBC, RBC, PLT
Sample volume aspirated:	9.8 µL whole blood (open vial mode) 15.0 µL whole blood (closed vial mode)
Sample volume processed:	2.4 µL whole blood (both modes)
Throughput:	Closed vial mode: 60 tests per hour Open vial mode: 45 tests per hour
Measuring principle:	Volumetric impedance method, microfluidics
Accuracy (CV):	WBC: < 3%, RBC: < 2%, HCT: < 3%, MCV: < 2%, HGB: < 2%, PLT < 5%
Storage capacity:	100,000 test results incl. histograms
User interface:	10.1 inch 1,280 x 800 resolution LCD with touch screen
Connectivity:	2 x USB ports, ethernet
Dimensions:	(HxWxD): 263 x 206 x 313 mm
Net weight:	9.7 kg
Power:	12 Vdc, 5 A
Reagent consumption per test:	Diluent 5.0 mL System solution: 2.0 mL Lyse: 1.0 mL

Options

- 1** Magic Cube: Virtual Laser Keyboard
Operates in total darkness
- 2** Bar code reader
Hand-free operation
- 3** Norma POS Thermal Printer
The Seiko RP-E printers, compatible with Norma Icon, print test results in just 1 second



Reagents

Diluent Norma-iDil3		20 L Sufficient for* 4,000 cycles		10 L 2,000 cycles
System Solution Norma-iSol3		5 L Sufficient for* 2,500 cycles	Lysing reagent Norma-iLyse3	
Reagent packs		Norma-iRP31 100 cycles		Norma-iRP33 300 cycles
				Norma-iRP35 1,000 cycles

* depending on the daily workload
Specifications subject to change without notice.

norma

NORMA Diagnostika GmbH, Hauptstr. 7., 3011 Untertullnerbach, Austria
www.normadiagnostika.com

Patented, innovative solutions

Innovation of the year from Norma

Trendsetting design

Smallest analyzer of its class

XS

Microfluidic technology

Smallest sample volume

Smallest reagent consumption

Environmentally friendly

icon

norma

Norma Icon

A smart hematology analyzer that sets new standards in terms of features, functions and style. An iconic laboratory device that combines cutting edge technology with a fresh and inspiring design.



Highlights and benefits

- Icon has a footprint of an A4 sheet of paper – probably the smallest dimensions of its class worldwide.
- Despite its ultra-compact sizing Icon has a throughput of 60 samples per hour*.
- Icon can process closed or open vials.
- Norma Icon aspirates 9.8 µL whole blood* but processes only 2.4 µL – the smallest sample volume ever processed by a hematology analyzer.
- This space-saving device has a 10 inch high resolution touch screen user interface that can handle motion sensing gestures - an entirely new interaction experience with the unit.
- Norma Icon is designed to be remote-supported. System check, trouble shooting, software upgrade can be carried out at the user's site at any time if internet access is available.
- Small reagent volumes help keep down the wasteful, polluting usage of laboratory chemicals. By eliminating the need of transporting tons of reagents to long distances and using a "green" result printing concept Norma Icon helps saving a significant part of the running expenses, keeping cost per test low and protecting the environment.

Its portable size and the handy reagent pack make Norma Icon easy to use at the point-of-care. The high throughput, low running cost and small sample volume make it an outstanding analyzer for laboratory use also.

With Icon you save space, time and costs.

Norma Icon is ideal for cost sensitive, environment conscious users, open to embrace new solutions based on innovative technology and trendsetting design.

* see specifications

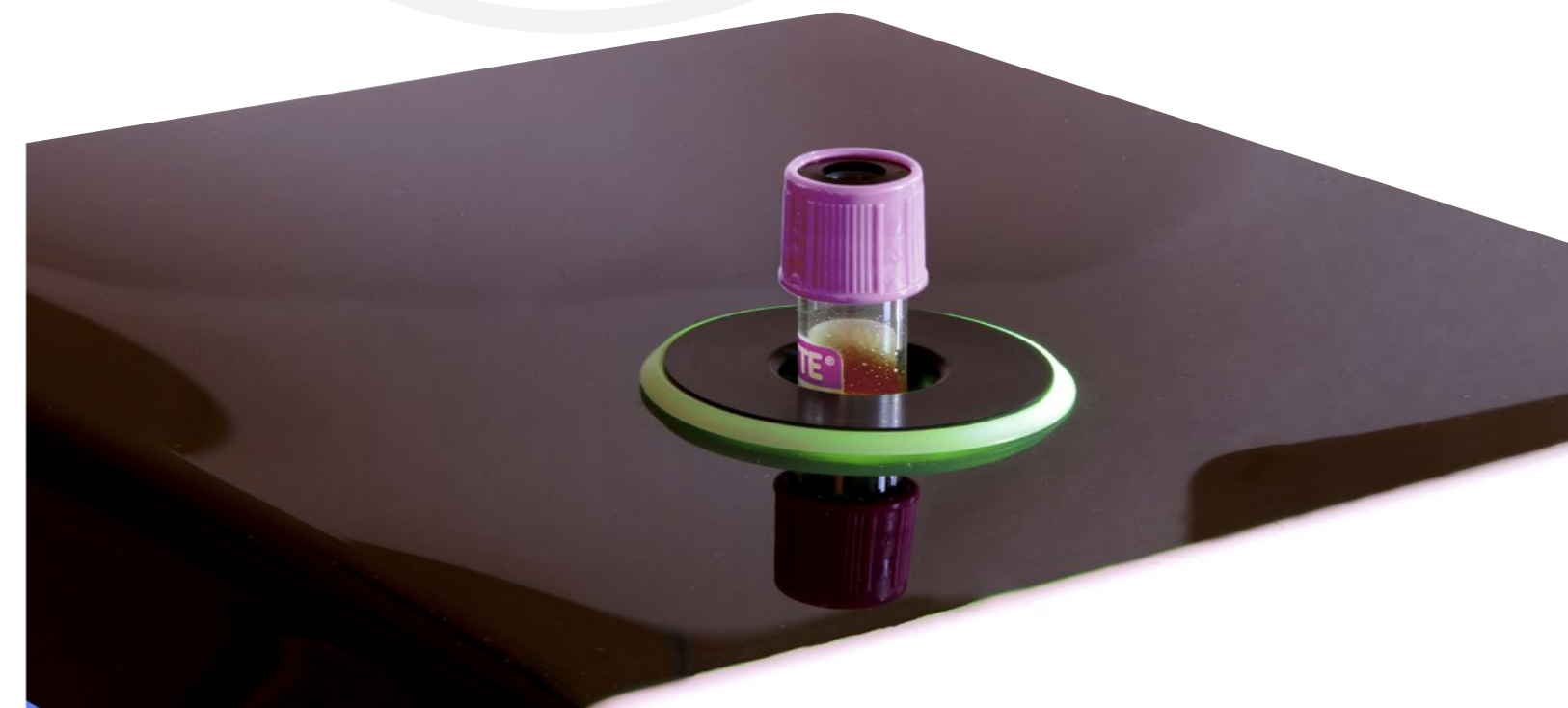
How to use

- 1 If you have a closed sample tube, just place it into the whole on the top of the analyzer. The patented revolving sample mixer and the cap piercing mechanism are integrated in the device.



- 2 Within a few second the tube will be returned and the test is completed.

- 3 Norma Icon is not particular about the type of sample vial: it can process any standard K-EDTA tube without prior setting or using special adapters.



- 4 If you like to use open vials, select open tube mode. The flexible sampling tip becomes visible.

In open mode Icon will take out only 9.8 µL blood from the microtainer. The low sample volume allows the processing of pediatric or capillary tube samples without predilution.



Sample ID can be entered using the on-screen keyboard or an external USB keyboard. Barcodes can be entered by an external USB bar code reader – or just let the on-board camera scan the barcodes or QR codes. Selected records can be printed, e-mailed or transmitted to a remote PC. Norma Icon has LIS connectivity.

Norma Icon can be operated on the traditionally packed reagents (10 & 20 L diluent containers, 1 L lyse bottles). Depending on the daily routine Icon can carry out up to 4,000 tests of a single 20 L diluent container.

The compact 100-test reagent pack with the simple plug-in connector and the built-in waste container makes the Icon perfect for use at point of care. The 300-test and the 1,000-test pack combine convenience with cost saving.