



Chem 200
PRO



Tablet Onboard

Barcode reader Onboard

Closed System with Dedicated Barcoded Reagents

*Clinical Chemistry Autoanalyzer and **MORE***

Small, medium laboratory

Special routine, Back-up in big laboratory

Emergency department

New PRO Family

Made in Italy



New **PRO** Family

- ⊗ Colorimetric Reactions
- ⊗ Enzymatic Reactions
- ⊗ Turbidatex Reactions



⊗ Special Tests

- ⊗ DOA
- ⊗ TDM
- ⊗ G6PD
- ⊗ Homocysteine
- ⊗ *Coming ...* Calprotectin, Cystatin C and more

Technical Specifications

System Type	Fully Automatic, Random Access, STAT sample priority
Throughput	Up to 200 tests / hour
Analysis Methods	Endpoint (Bichromatic-Differential-Sample blank), Kinetics, Fixed-Time, Turbidimetry
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit
Sample Type	Serum, Plasma, Urine, CSF
Sample Positions	Removable tray, with 60 positions - Optional 20 tubes + 20 Hitachi cups = 40 positions
Sample Volume	2 - 300 µl
Sample Cuvettes	Tubes of 12 - 13 mm, 5 - 7 ml / cups of 0.5-1.5 ml (require a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type).
Sample Dilution	Yes - Automatic by software
Stat Samples	Yes
Sampling Technology	Capacitive Liquid Level Detection, needle shock sensor
Sample Barcode	Internal barcode reader (optional)
Reagent Positions	Removable Rack with 30 Reagent positions with cooling
Reagent Volume	5 - 350 µl
Reagent Bottles	20 ml and 50 ml
Pipetting Technology	Capacitive Liquid Level Detection. needle shock sensor
Reagent Storage	Cooling for Reagent Rack with independent power supply
Reagent Barcode	Hand barcode reader included
Power Supply	100-240 Vac, 50/60 Hz, single phase with ground
Size / Weight	65 x 65 x 50 cm (W x D x H), 50 kg

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Reaction Cuvettes	80 washable BIONEX® cuvettes which allow approximately 20000 tests for a fully loaded rotor
Reaction Volume	210 - 400 µl
Reaction Time	Up to 11 min
Reaction Temperature	38°C ± 0.1°C
Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Optical Range	0-3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Optical Path	6 mm
Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Diluter Syringe	368 µl capacity, long-life syringe
Hydraulic System	8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps, Pinch Valve
Wash Station	Needles: 6 dispensating, 6 aspiration, 1 clearing (8 step washing sequence for each cuvette). Less than 3 l/hour water consumption.
Needle Wash	Internal and external with system solution
Run/Reaction Monitor	Operation status monitor on screen
Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Operator Interface	Included touch screen 10"- Intel HD Graphics 50 windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GB
Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Printer	External Printer
Environmental	16 - 30 °C, < 80 % humidity

Made in Italy



Since 1989

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ISO 9001:2015



ISO 13485:2016