

Piccolo Chem



Tablet Onboard

Barcode reader Onboard

Closed System with Dedicated Barcoded Reagents

Small outside big inside

Clinical Chemistry Autoanalyzer and **MORE**

NewPROFamily

Made in Italy

NewPROFamily

- **©** Colorimetric Reactions
- © Enzymatic Reactions
- Turbilatex Reactions



Special Tests

- **© FREE CALCIUM**
- **6** G6PD
- **6** HbA1c

- Homocysteine
- © Coming ... Calprotectin, Cystatin C and more

Technical Specifi	cations		アアの
System Type	Fully Automatic , Random Access , STAT sample priority	Reaction Cuvettes	4 reaction segments of 24, single use optical cuvettes, total 96
Throughput	Up to 150 tests / hour	Reaction Volume	275 - 500 μl
Analysis Methods	Endpoint (Bichromatic-Differantial-Sample blank), Kineti- cs, Fixed-Time, Turbidimetry	Reaction Time	Up to 11 min
Calibration Curve	Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit	Reaction Temperature	38°C ± 0.1°C
		Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Sample Type	Serum , Plasma , Urine , CSF	Optical Range	0 - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
Sample Positions	Removable Rack with 10 positions - Optional configuration with 20 sample positions	Optical Path	9.5 mm
Sample Volume	2 - 300 µl	Wavelength	8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading
Sample Cuvettes	Tubes of 12 - 13 mm , 5 - 7 mL - Sample cups of 1 mL (cups require a metal adapter)		
Sample Dilution	Yes - Automatic by software	Photo - Amplifier	Photoelectric detector, Signal amplifier, response range, 340 nm to 900 nm
Stat Samples	Yes	Diluter Syringe	368 µl capacity , long-life syringe
Sampling Technology	Capacitive Liquid Level Detection	Hydraulic System	2 self-priming peristaltic pumps (life 800 hrs), Pinch Valve
Sample Barcode	Hand barcode reader included	Needle Wash	Internal and external with system solution
Reagent Positions	Removable Rack with 20 Reagent positions - Optional configuration with 10 positions	Run / Reaction Monitor	Operation status monitor on screen
Reagent Volume	2 - 350 µl	Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Reagent Bottles	15 ml and 35 ml	Operator Interface	Included touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM - Intel Pentium 1.6 GHz - SSD 64GB
Pipetting Technology	Capacitive Liquid Level Detection		
Reagent Storage	Cooling for Reagent Rack included	Connections	Ethernet LAN port for LIS host communication, USB port for analyzer connection
Reagent Barcode	Hand barcode reader included		
Power Supply	100 - 240 Vac, 50 / 60 Hz, single phase with ground	Printer	External Printer
		Environmental	16 - 30 °C, < 80 % humidity
Size / Weight	38 x 60 x 40 cm (W x D x H) , 19 kg		











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

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Special Tests

- **Ø** DOA
- Homocysteine
- **©** TDM
- © Coming ... Calprotectin, Cystatin C and more

G6PD

Technical Specifications				
System Type	Fully Automatic, Random Access, STAT sample priority			
Throughput	Up to 200 tests / hour			
Analysis Methods	Endpoint (Bichromatic-Differantial-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 μΙ			
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 μΙ			
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 SO 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	















Tablet Onboard Barcode reader Onboard Closed System with Dedicated Barcoded Reagents

Clinical Chemistry Autoanalyzer and **MORE**

The choice that goes double random access clinical chemistry analyzer

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- Turbilatex Reactions



Special Tests

- **ODA**
- **©** TDM
- **G6PD**
- Homocysteine
- © Coming ... Calprotectin, Cystatin C and more

System Type Fully Automatic, Random Access, STAT Sample priority Throughput Up to 300 tests / hour Reaction Cuvettes Endopont (Bickhromatic-Differantial-Sample blank), Kinetics, Fixed-Time, Libridimetry Endopont (Bickhromatic-Differantial-Sample blank), Kinetics, Fixed-Time, Libridimetry Endopont (Bickhromatic-Differantial-Sample blank), Kinetics, Fixed-Time, Libridimetry Earlier Type Endopont (Bickhromatic-Differantial-Sample blank), Kinetics, Fixed-Time, Libridimetry Endopont (Bickhromatic-Differantial-Sample blank), Kinetics, Fixed-Time, Libridimetry Earlier Type Earlier Type Serum, Plasma, Urine, CSF Semple Notitions Remonable tray, with 60 positions - Optional 20 tubes + 20 Hisch's Lupis - 2 a 300 µl Sample Positions Rample Volume 2 - 300 µl Tubes of 12 - 13 mm, 5 - 7 ml / cups of 0.5-1.5 ml frequire a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Histaith type). Sample Dilution Yes - Automatic by software Tubes of 12 - 13 mm, 5 - 7 ml / cups of 0.5-1.5 ml frequire a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Histaith type). Sample Dilution Yes - Automatic by software Tubes of 12 - 18 mm / 50 ml / 1 sold position for dark reading Photo- Amplifier Photo-	Technical Specific	cations		アアの
Analysis Methods Endpoint (Bichromatic-Differantial-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 Hitachic cups - 40 positions Sample Volume 2 - 300 µl Tubes of 12 - 13 mm, 5 - 7 ml / cups of 0.5 - 1.5 ml / require a metal adapten - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type). Sample Dilution Yes - Automatic by software Stat Samples Yes Sample Barcode Internal barcode reader Reagent Positions 2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positions Reagent Volume 5 - 350 µl Reagent Storage Reagent Storage Reagent Barcode Hand barcode reader included Power Supply 100 - 240 Vac, 50 / 60 Hz, single phase with ground Reagent Barcode Printer Reation Time Up to 11 min Reaction Time Up to 11 min Reaction Time Quite Sample Cupt Reaction Time Reactio	System Type		Reaction Cuvettes	
Reaction Temperature 38°C ± 0.1°C	Throughput	Up to 300 tests / hour	Reaction Volume	210 - 400 µl
Calibration Curve Linear, Non Linear, Cubic - Spline, Multi Point, Log - Logit	Analysis Methods		Reaction Time	Up to 11 min
Sample Positions Removable tray, with 60 positions - Optional 20 tubes + 20 Potical Range	Calibration Curvo		Reaction Temperature	38°C ± 0.1°C
Sample Positions Removable tray, with 60 positions - Optional 20 tubes + 20 Optical Range O - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs			Optical Source	1 halogen lamp (6 V, 10 W) with extended UV emission
Sample Volume 2 - 300 µl Wavelength 8 interference filters of 340, 405, 505, 546, 578, 600, 650, 700 nm, 1 free position, 1 solid position for dark reading a metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type). Photo - Amplifier Pho	Sample Type	Serum, Plasma, Urine, CSF	Optical Range	0 - 3 Abs Linearity ±0.5% from 0.1 to 1.5 Abs
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 Photo - Amplifier Photo - Amplifier Photo - Amplifier Photo - Amplifier response range, 340 nm to 900 nm Diluter Syringe 368 µl capacity, long-life syringe Stat Samples Yes Sample Barcode Internal barcode reader Amenovable and Refrigerated Rack with 30 + 30 = 60 Reagent positions Reagent Volume Pipetting Technology Capacitive Liquid Level Detection. Needle shock sensor Reagent Storage Cooling for both Reagent Rack with independent power supply Power Supply Mavelength 700 nm, 1 free position, 1 solid position for dark reading 1 solid position for dark reading 1 solid position for dark reading Photo - Amplifier response range, 340 nm to 900 nm 368 µl capacity, long-life syringe 368 µl capacity, long-life syringe Saelf-priming peristalitic pumps (life 800 hrs), 2 vacuum pumps Pinch Valve Wash Station Needles: 5 dispensating, 6 aspiration, 1 clearing (7 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 Included touch screen 10°- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - S50 64GB Power Supply Connections Ethernet LAN port for LIS host communication, USB port for analyzer connection Printer External Printer	Sample Positions		Optical Path	6 mm
Sample Cuvettesa metal adapter) - optional 20 tubes of 12 - 16 mm / 20 cups (Hitachi type).Photo - AmplifierPhotoelectric detector, Signal amplifier, response range, 340 mm to 900 nmSample DilutionYes - Automatic by softwareDiluter Syringe368 µl capacity, long-life syringeStat SamplesYesHydraulic System8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps Pinch ValveSampling TechnologyCapacitive Liquid Level Detection, needle shock sensorHydraulic SystemNeedles: 5 dispensating, 6 aspiration, 1 clearing (7 step washing sequence for each cuvette). Less than 3 l/hour water consumption.Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsNeedle WashInternal and external with system solutionReagent Bottles20 ml and 50 mlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"-Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Sample Volume		Wavelength	700 nm, 1 free position,
Sample DilutionYes - Automatic by softwareDiluter Syringe368 μl capacity, long-life syringeStat SamplesYesHydraulic System8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps Pinch ValveSampling TechnologyCapacitive Liquid Level Detection, needle shock sensorHydraulic SystemNeedles: 5 dispensating, 6 aspiration, 1 clearing (7 step washing sequence for each cuvette). Less than 3 l/hour water consumption.Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsNeedle WashInternal and external with system solutionReagent Bottles20 ml and 50 mlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Sample Cuvettes	a metal adapter) - optional 20 tubes of 12 -16 mm / 20		
Stat Samples Yes Sampling Technology Capacitive Liquid Level Detection, needle shock sensor Sample Barcode Internal barcode reader Reagent Positions Reagent Volume 5 - 350 µl Reagent Bottles 2 Oml and 50 ml Pipetting Technology Capacitive Liquid Level Detection. Needle shock sensor Reagent Storage Cooling for both Reagent Rack with independent power supply Reagent Barcode Hand barcode reader Connections Diluter Syringe 368 µl capacity, long-life syringe 8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps Pinch Valve Wash Station Needles: 5 dispensating, 6 aspiration, 1 clearing (7 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 Included touch screen 10° Lintel HD Graphics SO 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			Photo - Amplifier	
Stat SamplesYesSampling TechnologyCapacitive Liquid Level Detection, needle shock sensorHydraulic System8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum pumps Pinch ValveSample BarcodeInternal barcode readerNeedles: 5 dispensating, 6 aspiration, 1 clearing (7 step washing sequence for each cuvette). Less than 3 l/hour water consumption.Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsNeedle WashInternal and external with system solutionReagent Volume5 - 350 µlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Sample Dilution	Yes - Automatic by software	Diluter Syringe	368 ul capacity, long-life syringe
Sampling TechnologyCapacitive Liquid Level Detection, needle shock sensorHydraulic Systempumps Pinch ValveSample BarcodeInternal barcode readerNeedles: 5 dispensating, 6 aspiration, 1 clearing (7 step washing sequence for each cuvette). Less than 3 l/hour water consumption.Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsNeedle WashInternal and external with system solutionReagent Volume5 - 350 μlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Stat Samples	Yes		8 self-priming peristaltic pumps (life 800 hrs), 2 vacuum
Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsWash Stationwashing sequence for each cuvette). Less than 3 I/hour water consumption.Reagent Volume5 - 350 μlNeedle WashInternal and external with system solutionReagent Bottles20 ml and 50 mlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Sampling Technology	Capacitive Liquid Level Detection, needle shock sensor		
Reagent Positions2 Removable and Refrigerated Rack with 30 + 30 = 60 Reagent positionsWater consumption.Reagent Volume5 - 350 μlNeedle WashInternal and external with system solutionReagent Bottles20 ml and 50 mlRun / Reaction MonitorOperation status monitor on screenPipetting TechnologyCapacitive Liquid Level Detection. Needle shock sensorQuality ControlLevey - Jennings Graphics - Westgard AlgorithmReagent StorageCooling for both Reagent Rack with independent power supplyIncluded touch screen 10"- Intel HD Graphics SO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Sample Barcode	Internal barcode reader	Wash Station	washing sequence for each cuvette). Less than 3 I/hour
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 both Reagent Rack with independent power supply Reagent Barcode Hand barcode reader included Power Supply Needle Wash Internal and external with system solution Quality Control Levey - Jennings Graphics - Westgard Algorithm Operator Interface Operator Interface Connections Ethernet LAN port for LIS host communication, USB port for analyzer connection Printer External Printer	Reagent Positions			
Reagent Bottles 20 ml and 50 ml Pipetting Technology Capacitive Liquid Level Detection. Needle shock sensor Reagent Storage Cooling for both Reagent Rack with independent power supply Reagent Barcode Hand barcode reader included Power Supply Run / Reaction Monitor Quality Control Levey - Jennings Graphics - Westgard Algorithm Deperator Interface Operator Interface Operator Interface Connections Ethernet LAN port for LIS host communication, USB port for analyzer connection Printer External Printer			Needle Wash	Internal and external with system solution
Pipetting Technology Capacitive Liquid Level Detection. Needle shock sensor Reagent Storage Cooling for both Reagent Rack with independent power supply Reagent Barcode Power Supply Connections Quality Control Levey - Jennings Graphics - Westgard Algorithm Included touch screen 10"- Intel HD Graphics SO 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	Reagent Volume	5 - 350 µI	Run / Reaction Monitor	Operation status monitor on screen
Pipetting Technology Capacitive Liquid Level Detection. Needle shock sensor Reagent Storage Cooling for both Reagent Rack with independent power supply Reagent Barcode Hand barcode reader included Power Supply 100 - 240 Vac, 50 / 60 Hz, single phase with ground Printer Cooling for both Reagent Rack with independent power supply Connections Ethernet LAN port for LIS host communication, USB port for analyzer connection Printer External Printer	Reagent Bottles	20 ml and 50 ml	Quality Control	Levey - Jennings Graphics - Westgard Algorithm
Reagent StorageCooling for both Reagent Rack with independent power supplyOperator InterfaceSO windows - 4 GB DDR3 SDRAM Intel Pentium 1.6 GHz - SSD 64GBReagent BarcodeHand barcode reader includedConnectionsEthernet LAN port for LIS host communication, USB port for analyzer connectionPower Supply100 - 240 Vac, 50 / 60 Hz, single phase with groundPrinterExternal Printer	Pipetting Technology	Capacitive Liquid Level Detection. Needle shock sensor	quality control	, 5 . 5 .
Power Supply 100 - 240 Vac, 50 / 60 Hz, single phase with ground Frinter External Printer	Reagent Storage		Operator Interface	SO windows - 4 GB DDR3 SDRAM
Power Supply 100 - 240 Vac, 50 / 60 Hz, single phase with ground Printer External Printer	Reagent Barcode	Hand barcode reader included	Connections	
Size / Weight 93 x 74 x 60 cm (W x D x H), 75 kg Environmental 16 - 30 °C, < 80% humidity	Power Supply		Printer	
	Size / Weight	93 x 74 x 60 cm (W x D x H), 75 kg	Environmental	16 - 30 °C, < 80% humidity







