BT4500 TECHNICAL SPECIFICATIONS

THROUGHPUT	up to 420 Tests/hr Chemical Chemistry; up to 600 Test/h with I.S.E
I.S.E. MODULE	Direct potentiometry Serum and diluted Urine
NUMBER OF REAGENTS	40+40 Total
REFRIGERATED REAGENT BAY	Yes
REACTION VOLUME	from 180 to 400 µl
SAMPLE VOLUME	from 1,8 to 150 µl
READING CUVETTES	84 non-disposable optical glass
SAMPLING ARMS	1 for Serum , 2 for Reagents
SAMPLES TRAY	4 Sectors of 25 Samples each
STD & CONTROLS TRAY	26 Calibrator & Controls positions, Refrigerated
TEST MODES	Sequential Access, Batch, STAT
TEST DIRECTORY	Up to 500 + Relation Test
CUVETTE TEMP.	Dry Control OFF/37°C (± 0.2° C)
VACUUM PUMP	On board Vacuum System
PHOTOMETER	Solid State, up to 14 Channels 340-800 nm + Reference
ABSORBANCE RANGE	0 - 3 Abs.
PHOTOMETER SENSITIVITY	± 0.001 Abs.
DILUTER	1x 340 µl, 2 x 470 µl (Long Life Ceramic)
DILUTER PRECISION	± 0.1%
DILUTER RESOLUTION	± 0.1 µl for serum ; ± 1 µl for reagents
BAR CODE	Internal: for Reagents & Samples
CLOT SENSOR	YES
CRASH SENSOR	YES
COMPUTER	External PC.
PERIPHERALS	Inkjet Printer & UPS
INTERFACE	USB – RS232 Bidirectional + TCP/IP
QC PROGRAM	3 Known Levels, 3 Unknown Levels
MAINTENANCE	Software Assisted
POWER SUPPLY	Universal input 100/240 Volt, 50-60 Hz, 1000 W, PFC
U.P.S.	900 Watt
DIMENSIONS	127 cm (W) - 77 cm (D) - 119 cm (H)
WEIGHT	162 Kg

TECHNICAL SPECIFICATIONS EXTERNAL PC (Minimum requirements)

OPERATIVE SYSTEM	Windows® 7/8/10 Professional English
COMPUTER	Optional Windows® Compatible (Desktop/Laptop)
PROCESSOR	Intel® i3; 1.9 GHZ or more
RAM	2 GB
VIDEO	SVGA or compatible, 32K colors
DISPLAY	Color, resolution min. 1366 x 768
MOUSE	USB
HOST COMMUNICATION	RS232, ETHERNET
USB	1, version 2.0
PRINTER	External Windows® compatible color printer
CD ROM	DVD or CD
HD	>5Gb free

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Features may change without notice.



PLUVIA diagnostics

SEQUENTIAL ACCESS CHEMISTRY ANALYZER

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BT4500

The **BT4500** is a new floor model Clinical Chemistry that includes a built-in four parameter I.S.E. module.
The analyzer has a throughput of 420 test/hr. for clinical chemistry and a throughput of 240 test/hr for I.S.E testing, providing up to a combined throughput of 600 test/hr.

The analyzer has three sampling arms, one for samples, and two for reagents. The samples tray allows for 100 position and the refrigerated reagents plate is designed with 40+40 positions. Three containers are available for auxiliary sample dilution solutions.

The sampling arms are equipped with a new mechanical design for the detection of any obstruction and a new device for quick movement of the needle, allowing for efficient mixing reagents and solutions. The positioning of the arms makes use of new high-precision encoders. The sampling arm comes equipped with clot detection sensor which can monitor the operations of each cycle of the machine indicating hydraulic malfunctions.





Side Computer Desk optional, on request





