Product Specification

Throughput	up to 300 Chem. Tests/hr + up to 190 ISE Tests/hr
ISE Module on board	Yes: Na, K, Cl, CO_2
Number of reagents	80 Total (40 for 50ml or 80ml + 40 for 10ml or 20ml)
Refrigerated Reagent Bay	Yes
Reaction volume	from 280 to 700µl
Sample Volume	from 1 to 100µl
Reading Cuvettes	34 non-disposable optical glass
Sampling Arms	2: for Serum and Reagents
# of Positions	78 Total (52 Samples – 26 Standards and Controls)
Test Modes	Random Access, Batch, STAT
Test Directory	Up to 500
Cuvette Temp. Control	Peltier System OFF/30/32/37°C (± 0.2° C)
Vacuum Pump System	External
Photometer	Solid State 10 Channel + reference channel
Photometer Accuracy	± 1% (0-2 O.D.), ± 2,5% (2-3 O.D.)
Photometer Sensitivity	± 0.001 Abs
Diluter	2 – Long Life Ceramic – 470 µl
Diluter Accuracy	± 0.1% f.s.
Diluter Resolution	± 1 µl
Bar Code	2: Reagent and Serum
Internal P.C.	Cpu Atom 1.8 GHz
Peripheral Devices	DVD ROM, HD>40 Gb
Monitor	Color LCD 12"
Touch-screen	Glass Protected resistive
Keyboard	U.S.A. Standard
Mouse	Yes
Process Electronics	12 Microcontrollers I² CBUS protocol
Software	Windows® 7 32 bit
Interface	RS232, Bidirectional+ USB + LAN + VGA
Built in QC Program	Yes: 3 Levels Known, 3 Levels Unknown
Maintenance	Software assisted
Power Supply	100/240 Volt, 50-60 Hz, 1000 Watts, PFC
Environmental temperature	18-32°C (64.4-89.6°F)
Relative humidity	10-85% (not condensing)
Dimensions	Height – 27", Width – 40", Depth – 23"
Weight	210 lb (95 Kg)

Features may change without notice

Windows is registered of Microsoft Corporation.

Rev.1/2014

Member of CEQ Federation RINA ISO 13485 Medical Devices Certified Quality System

Member of CEQ Federation RINA ISO 9001 Certified Quality System

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AG Graphic Services

BT 3000 Plus

Random access chemistry analyzer

BT 3000 plus

The BT3000 TARGA, one of the world's most widely used clinical chemistry analysers, has now evolved to the next level of performance:

The BT 3000 plus ...

the point of reference for the modern laboratory.

The task proposed to our R&D department was to develop a new chemistry instrument that maintained the basic structure and design of our previous analysers, while adding new innovations of the latest technology to enhance performance. Over 30 years of technical experience in the field of automation for clinical chemistry has now unveiled the perfect synergy of technology, performance and design.

The result is the new BT 3000 plus random access clinical chemistry analyser.

- up to 300 Chemistry Test/hour and up to 190 ISE Test/hour throughput
- 12 Microcontroller of latest generation
- I^2C Bus protocol communication with dual wire technology
- PFC – Power Factor Correction – Power supply
- DVD multimedia capability
- Windows 7 32 bit interface software

The new BT 3000 plus is the culmination of years of experience from engineering professionals, incorporating the highest technology and performance from a world wide corporate leader, Biotecnica Instruments S.p.A.

SAMPLING

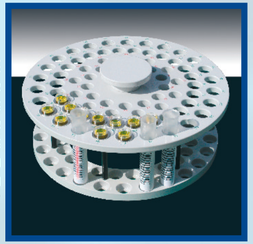
- Double arm design for serum and reagents
- Pre-heating of reagents and electronic sensor liquid
- Ability to pre-dilute both serum and urine
- Automatic or on request re-run capability of pathologic or hyperactive samples

REAGENT BAY

- 80 positions available for mono or bi-reagent system
- Positive vessels identification through a dedicated bar-code reader
- Four different bottle sizes are available. Peltier regulated refrigeration system

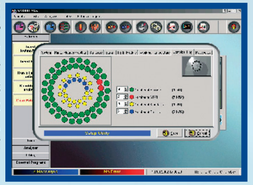
SAMPLES

- Programmable sample plate
- Allows primary tubes or sample cups
- 52 position samples tray for routine specimens, STAT, standards or controls
- Liquid sensor detection
- Positive sample identification through a dedicated bar code reader



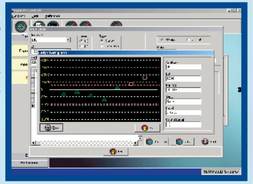
USER INTERFACE

- Windows 7 32 bit software for a simple and intuitive user interface with the built in touch screen
- Programmable or bar code generated work list
- Graphic representation of reagents volume and interpolation curve
- 500 test on memory available for chemistry, immunochemistries and open relation test



Q.C.

- Juden, Westgard, x-y calculation with daily or cumulative verification of three known and three unknown levels
- Historic archive for patients results



DVD

- On board DVD with multimedia capability for maintenance assistance and operator's manual on line
- Remote diagnosis with resident log file and Internet connection (Optional)
- Capable of downloading software directly from Biotecnica web site

ISE MODULE

- Solid state electrode technology for Na, K, Cl, and CO_2
- High precision and reliability
- Concentrate solutions for high shelf life storage