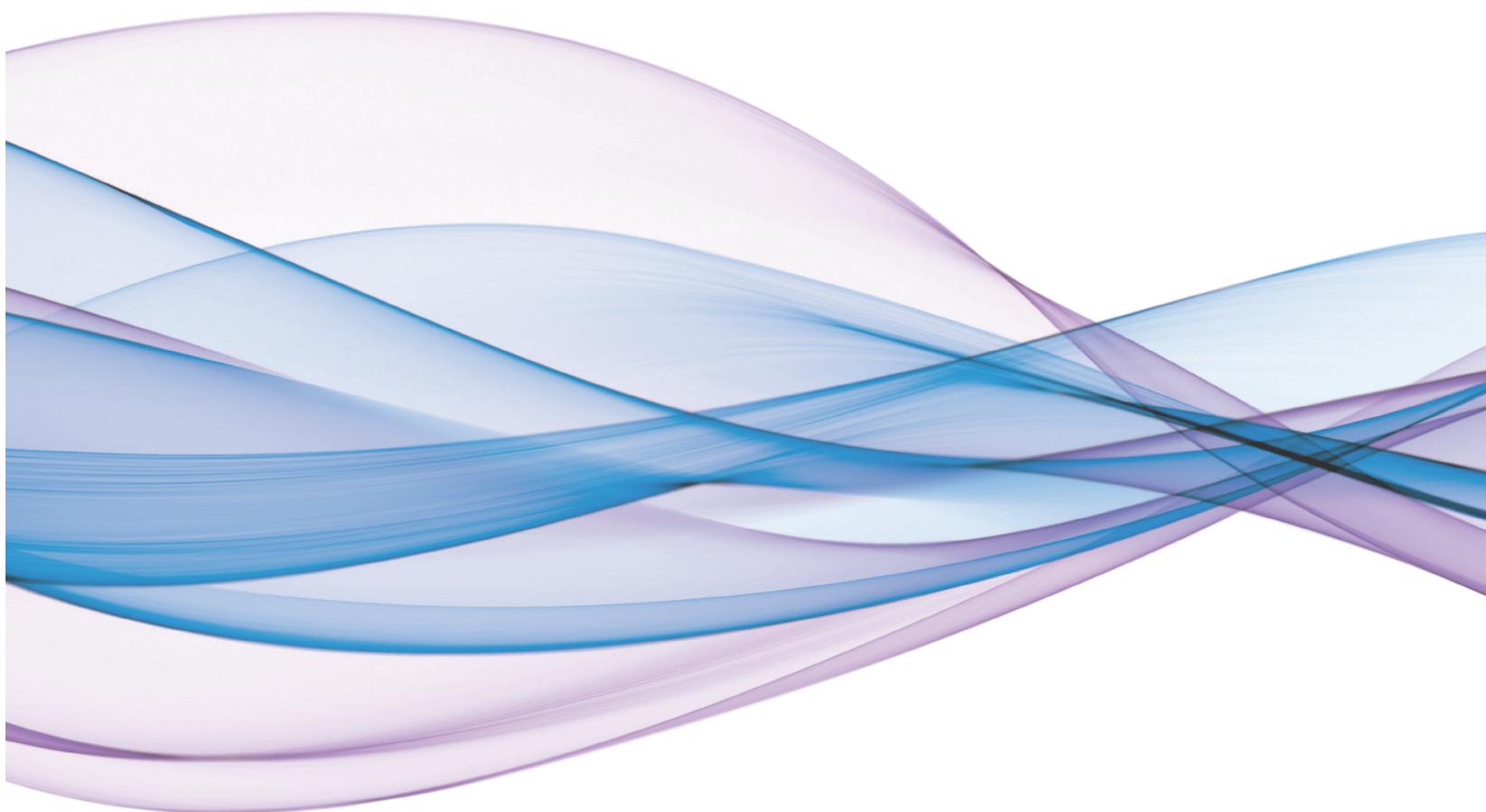


Diatron Clinical Chemistry - Affordable Quality Without Compromise

Pictus 400

Reliable, Accurate and Simple

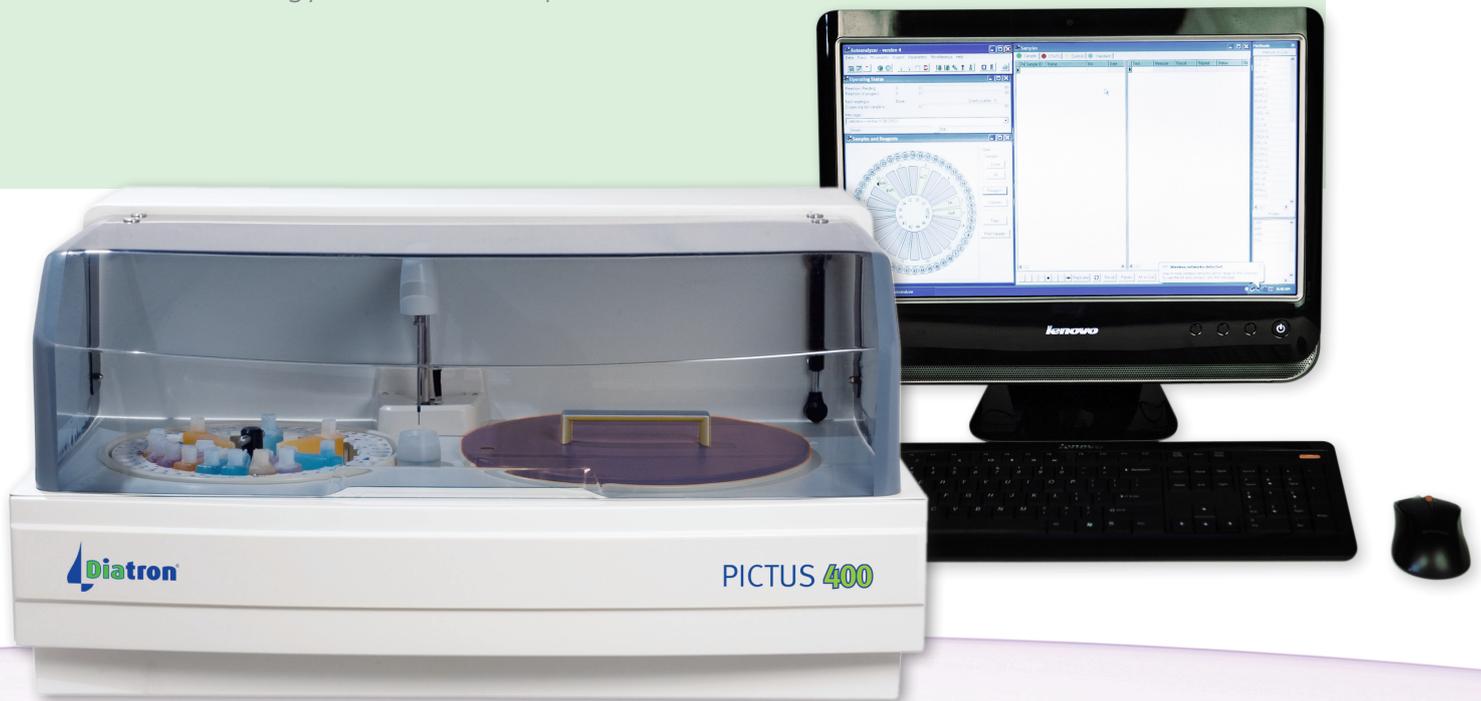


Pictus 400

Reliable, Accurate and Simple

Analyzer Overview

The Diatron Group is proud to offer the **Pictus 400**, a compact benchtop clinical chemistry analyzer with the technology, features, and benefits normally associated with much larger and more expensive instruments. The analyzer delivers at a throughput of up to 360 tests per hour while maintaining a small footprint, is easy to use, and a model of efficiency. The system is very economical to operate by utilizing a comprehensive line of low cost reagents and reusable cuvettes via an on board wash station. The 400 is an ideal choice for small to medium laboratories who desire upper end technology at a lower end price.



Key Features and Benefits

- **Cost Effective.** With low instrument cost, low cost reagents, and reusable cuvettes, the 400 provides one of the lowest cost reportable results the industry has to offer
- **Easy to Operate.** The system utilizes windows based software, bar codes for sample and patient identification, and primary tube sample capability to provide for the ultimate ease of use.
- **Intelligent Sample Management.** The multi function probe offers crash detection, liquid level sensing, mixes and preheats reagents when necessary
- **Space Saving.** The 400 requires only 85 cm of bench space and has a built-in power supply. With a depth measuring under 47 cm, it easily fits on most laboratory counter tops.
- **Large Data Management Capability.** QC package includes Levy Jennings plots and Westgaard Rules and stores up to 100,000 patient results on board.



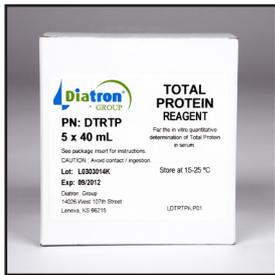
Wash system

- 5-position Wash Station
- Automatic cuvette purity check prior to use. Ensures clean cuvettes are used for analysis
- Reusable Cuvettes for low operating cost



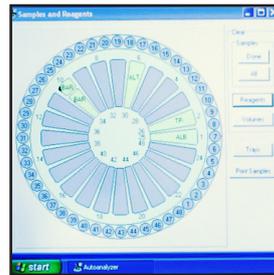
Multi-functional probe

- Clot Detection
- Crash Detection
- Liquid Level sensing
- Automatic Cleaning of inside and outside of probe
- Pre-heated probe for faster test times



Sample and reagents

- 48 position sample tray
- Primary tubes, tube diameter 13x75-100 mm, accepts microtainers
- Unlimited number of samples loaded through LIS
- Bar coded samples for positive patient ID
- Automatic dilution for over range specimens



Easy-to-use Software

- User Friendly, Windows Format
- Flexible formatting for individual laboratory needs
- Large patient storage capacity
- Fully intergrated QC, Levy Jennings charts, Westgaard rules
- Compatible with Windows XP, Vista, and Windows 7 Operating Systems
- Bi-Directional interface



Throughput

- Up to 280 tests/hour depending on configuration
- 360 test/hour with ISE

Reagents and Sampling System

Samples

- 48 positions
- Primary tubes with barcode option
- Accepts pediatric micro-samples
- Sample volume: programmable 2–100 µl
- Continuous loading
- Sample pre-dilution

Reagents

- 48 cooled positions reagent carousel with barcode reader
- Open Reagent Test menu
- Reagent 1: from 0 to 700 µl
- Reagent 2: from 0 to 450 µl
- Typical reagent volume: 180 µl
- Reusable cuvettes

Reaction

- Reagent probe heater
- Auto dilution
- Liquid level sensor
- Washing outside and inside probe
- 80 position reaction tray with 5 step washing station
- Water consumption: 20 liter/10 000 test
- Warm air incubator: room temp, 30 °C and 37°C

Optical System

- Double beam
- Wavelengths: 340, 405, 450, 505, 550, 590, 650, 700 and 750 nm, other optional filters available
- Bandwidth : 10 nm
- Photometric range: -0.1 to 3.6 A
- Light source: halogen lamp 6 v - 20 w

Analytical Modes

- Selection by sample (profile) or by reagent (batch)
- Up to 10 standards per calibration curve
- Color reactions
- Fast and two-point kinetics (zero and first order)
- Routine, batch, STAT, profiles - Enzymes. Drugs.
- Automatic sample dilution on abnormal levels, excessive substrate consumption and/or lack of linearity
- Import/export of data, methods and historic file
- Automatic backup

Quality control

- Levy-Jennings plots
- Westgaard rules

Quality Standards

ISO 9001-2000, ISO 13485, CE, EMC, IEC 61010-1

Data Management

- Multi-tasking Windows based software
- Interface: bi-directional RS 232C, according to ASTM protocols

Power requirements

- 85 to 230 VAC, 50/60 Hz, 400 VA

Dimensions

- Size (Width x Depth x Height)
85 cm x 58 cm x 47 cm
34 in x 18.8 in x 23.2 in
- Weight : Weight : 64 kg, 186 lbs

OPTIONS

ISE Unit

Na+, K+ and Cl measurements on serum or urine samples

Barcode reader

Reads all common barcodes used for test requisition and reagent identification.

PC Requirements

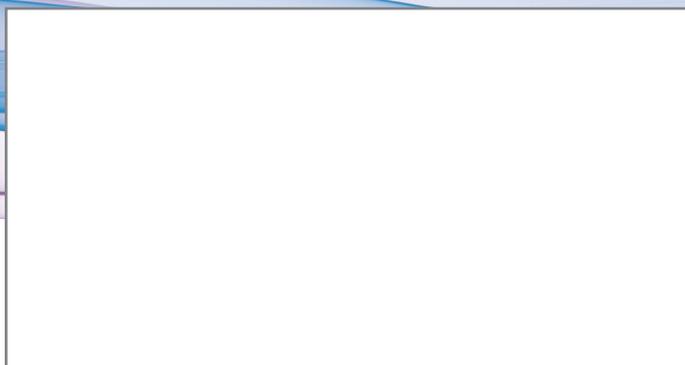
PC compatible with Celeron 2,4 GHz, 256 MB RAM, 40 GB Hard Disc or bigger, CD ROM, Super VGA 15" Color screen, with Microsoft Windows XP, Vista, Windows 7 Operating system

Printers

Most printers supported by Windows can be connected.

www.diatron.com

Your Distributor



We are at your service any time.

