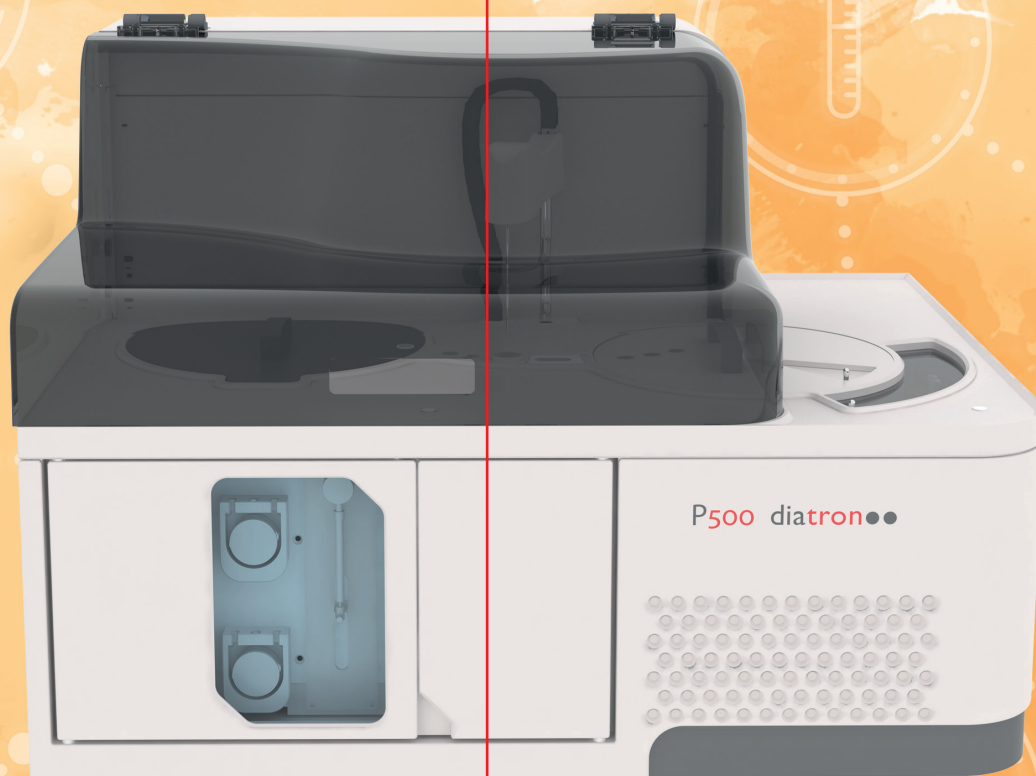


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# P500

INTELLIGENT WALK AWAY  
CHEMISTRY



# INTELLIGENT WALK AWAY CHEMISTRY

The Diatron P500 is an ergonomically designed, fully automated, random access bench top clinical chemistry system. As a result of its innovative design and advanced Windows-based software, the P500 can achieve a total throughput of up to 480 tests/hour (in a mix Routine + ISE).

The P500 offers features usually only higher cost systems have such as uninterrupted workflow, enhanced walk-away operation and remote access diagnostics, which positioning it as a market leading system.

## COST EFFECTIVE

Long on-board reagent stability with extensive linearities, low and high volume reagent kits, multi calibrators and controls



55 validated reagents\*

\*not cleared for US use

# P500

## ONE FAMILY

The P500 belongs to State Of The Arts family of clinical chemistry systems. Within the family the instruments share common, barcoded reagents menu, consumables, controls and calibrators. All fully validated by Diatron

## PRODUCTIVITY

Continuous sample and reagent loading with on board capacity of 95 samples (5 racks x 19 position) and up to 72 reagent vials + ISE



## RELIABILITY & TRUST

Diatron manufactures high performance analysers with best available quality components

# SPECIFICATIONS

## GENERAL CHARACTERISTICS

- Small to mid-size labs random access analyser (fully automated)
- Throughput\*: Up to 340 tests/h mono reagent
- ISE: Up to 180-240 tests/h
- Temp. controlled cuvette tray via air bath: 37 °C (Adjustable temperature)
- Reaction volume: 180-650 µl
- Sample volume: 2-200 µl
- Cuvette Path/no. of cuvettes on board: 6 mm/80 units
- Probes/Pipettes: 1
- Time to first result (seconds): 45
- Removable and interchangeable reagent tray
- Refrigerated reagents: 8±2 °C
- Refrigerated on-board single reagent vials: 72
- Up to three different reagents per test
- Continuously monitored loading/access of reagents
- Multiple reagent bottles of the same assay test can be on-board (different lots)
- On-screen inventory management with realtime tracking of on-board reagent availability
- Built-in Software Translator to implement any local language
- Water Consumption (l/h): ~ 1.5l (up to 2l depending on usage)

- Computer/SW environment: up to Win 10
- Photometric range (linearity): -0.1/3.6
- Optical resolution: 0.0001 ABS
- Optional direct 4-ISE module (installable by service)
- Internal Barcode Reader for samples, sectors and reagents
- Sample and reagent precision of syringe at full stroke: 0.05 % CV

## SAMPLE HANDLING

- Primary, secondary tubes and micro-cups for pediatric samples
- Sample Racks/Positions per rack: 5/19
- Samples on-board capacity: 95
- Continuous loading of sample racks
- Real STAT function
- Automatic sample dilution
- Post-analytical tasks such as re-running and post-dilution
- Editable complete A4 patient report
- Unlimited/searchable patient records

## POWER REQUIREMENTS DIMENSIONS

- Electrical requirements: 600 VA
- Weight: 115 kg, 253 lbs
- Dimensions (Width x Depth x Height): 88 cm x 70 cm x 66 cm  
34.6" x 27.6" x 26"
- Interferential optical filters (340-750 nm): 12

\*The throughput is measured in a period of time between receiving the first and the last result. It will vary depending on the ratio of 1 and 2 steps assays as well as number of ISE tests. The ISE throughput depends on number of channels/electrodes used in the module.

Analyzer and ISE module			Liquid Consumables			
SAP No	Description	Catalogue No	SAP No	Cat. No.	Product Name	Pack size
10025007	P500 Analyzer without ISE	P500-1	10030697	VA0002SL	Additive for wash solution KIT	2x250 ml
10025008	P500 Analyzer with direct 4-ISE module	P500-2	10025810	VA0003SL	Control solution	4x50 ml
10021291	Pictus ISE module (module for upgrading Pictus and P models)	5008	10030695	VA0000SL	Cleaning solution KIT	2x250 ml
			10030160	5421	Cleaning Solution Kit, ISE Module	
			10030159	5420-0000	ISE Reagent Pack Na/K/Cl/Li	
			10030158	5408	Urine Diluent 500 mL, ISE Module	500 ml

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