



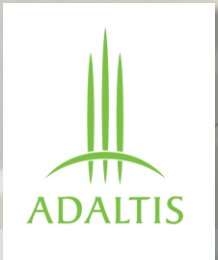
RELIABILITY & INNOVATION

Pchem 2

Fully-automated
Single / Dual arm Clinical Chemistry Analyser
up to **420** tests / hour with ISE module on board



Pchem 2



Pchem 2



The Pchem-2 is a fully automated analyser

Double Arm

- ***Up to 420 tests per hour with ISE module on board.***
- ***240 Bi-reagent photometric tests / hour constant throughput.***

Single Arm

- ***Up to 360 tests per hour with ISE module on board.***
- ***Up to 200 mono reagent tests / hour***

The Pchem-2 a reliable fully automated analyser for clinical chemistry operating in the mid class test range of 240-420 tph.

Pchem-2 is a mid-sized benchtop instrument that is extremely reliable in the heavy workload segment of 420 tests per hour.

The Pchem-ease-of-use-software gives you a hassle-free work flow routine in several demanding settings.

Adaltis completes the Pchem system with a CE-marked Pchem-reagents panel of 30/43-assays, ready for use, ensuring you a fast forward daily routine in your laboratory. Pchem analysers are well prepared for integrated ISE analysis of electrolytes.



Pchem 2

Features and Specifications



- Analytical methods: end point mono or bichromatic, fixed time, kinetic, differential sample blank.
- ISE module for: Na⁺, K⁺, Li⁺, Cl⁻ in serum, plasma and diluted urine.
- 30/43 reagents on board plus diluent.
- Mono, double reagents method.
- Reaction temperature: +37°C ± 0.1°C.
- 49 sample/ calibrator/control positions on primary tubes (Ø 12÷13mm/75/100mm)
- Automatic dilution of the samples.
- Calibration with linear/non linear curves up to 8 points, auto dilution of the calibration curve (linear regression, linear piece-wise, cubic spline, polynomial).
- Control menu with Levy-Jennings plot.
- Bar-code reader integrated for samples and reagents (optional).
- Arm equipped with liquid level detector (capacitive) and shock sensor.
- Single or double high precision micro-metering pumps for dispensing reagents and samples (no syringe).

Pchem 2

Features and Specifications

- Reagent volume: 1÷400 microliters.
- Sample volume: 1÷300 microliters.
- Typical reaction volume: 180/250 microliters.
- Wavelengths on board: 8 from 340nm to 700nm plus one free position.
- Light source: Long life halogen lamp (2000 hr.)
- Photometric linearity: 0÷3.0 OD.
- Reading cuvette: 80 on board re-washable made in Bionex®.
- Cuvette washing: automatic washing station.
- Water consumption: 3 liters per hour.
- Reagent cooler: 14°C below ambient temp.
- All in one touch screen computer.
- L.I.S.: Bi-directional connection.
- Operative system: Windows® 8.1.
- Environment temperature 18-32°C
- Dimensions: 93x72x60 cm / Weight: 80 kg.



System	random access, batch, STAT
Throughput	240 tests/hour (up to 420 tests/hr with integrated ISE module, on request)
Number of arms	1/2
Number of reagents positions	30/43 parameters on line plus diluent
Number of samples / calibrators / controls	49
Analytical methods	end point, fixed time, kinetic, differential, diff. sample blank, bichromatic
ISE Module	yes, Na ⁺ , K ⁺ , Li ⁺ , Cl ⁻ (optional)
Diluter	1/2 micro-metering pump
Reagent volume	1 ÷ 400 µl
Sample volume	1 ÷ 300 µl
Typical reading volume	180/250 µl
Calibration curves	linear regression, piecewise, cubic spline, polynomial
Automatic dilution	automatic / on request
Reading cuvettes	80 automatic re-washable
Reaction temperature	+37°C ± 0.1°C
Wavelengths	8 from 340 to 700 nm

Light source	long life halogen lamp (2000 hours life)
Photometric linearity	0 ÷ 3.0 OD
Cuvette washing	automatic washing station
Water consumption	less than 3 liters / hr
Reagent cooler	up to 14 °C below ambient temperature
Bar-code	yes (optional)
Real-time electronics	modular, SMD
Power supply	100 ÷ 240 Vac
Personal Computer	external, all in one (Touch screen, PC)
Peripherals	Cd rom, HD > 40Gbyte
Printer	external laser
Operational system	Windows® 8.1
Interface to LIS host	Ethernet
Environment temperature	18 ÷ 32°C
Environment RH	30 ÷ 70 %
Dimensions	93x72x60 cm (WxDxH)
Weight	80kg

Pchem 2

Software

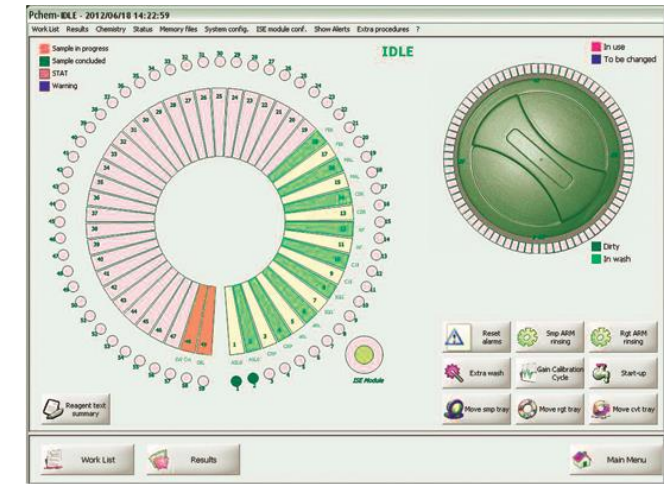
Pchem Family software makes your life easier in the lab

The Pchem Family is a fully automated benchtop family of three high end clinical chemistry analysers and one semi automated analyser. The Pchem Family includes an extensive line of clinical chemistry reagents according recommendations of IFCC & DGKC.

All three fully automated Pchem instruments use the same software structure and graphical interface - providing you a significant shorter learning curve in trainings and operation of the Pchem instruments and reagents. Pchem Family software is based on Windows® operating system.

A user friendly interface assists the operator and simplifies the daily routine work:

- Real time check of liquid levels.
- Real time check of patient results.
- QC with Levy-Jennings plot on three levels.
- Graphic presentation of work session.
- Positive identification of reagents gives the end user the assurance to work without compromises on quality.



CHEMgen

Clinical Chemistry Reagent Product Line

The Pchem family simplifies your routine work with a complete CE-IVD marked reagent panel:

- 56 assays:
 - 28 enzymatic and substrate parameters
 - 28 plasma proteins
- Ready to use
- Stable formulations based on IFCC & DGKC recommendations for serum, plasma, urine samples
- All Pchem applications are validated on Pchem analysers – a perfect fit!



You can find additional information about Fully Automated Clinical Chemistry Pchem Family Analysers



**Genuine random access analysers
for 120-500 tests / hr & dedicated reagents**

<http://www.adaltis.net/products/ivd-instruments/clinical-chemistry/>

Adaltis is dedicated to customer satisfaction and will do the utmost to respond quickly to your needs.

We look forward to an exciting and jointly profitable future with partners like you.

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For more information
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www.adaltis.net

