

Genuine random access analysers  
& dedicated reagents

## Pchem Family

Fully Automated Clinical Chemistry Analysers & Reagents



The Pchem Family is a benchtop family of three advanced and fully automated analysers for clinical chemistry operating in the test range 120-500 tph, next to a semi-automated analyser Pchem Micro.

The Pchem fully automated instruments provide you a maximum efficiency in your routine work in the laboratory. Adaltis offers a complete CE-marked Pchem reagent panel (mono or bi-reagent) ready for use: 28-clinical chemistry assays and 28-turbidimetric assays, including all controls and calibrators. Pchem analysers are versatile and can operate effortlessly in several demanding settings like routine laboratories, POL, for dedicated analysis, as back up instrument as well as in R&D settings.

All three automated Pchem analysers use the same software structure and graphical interface - providing you a significant shorter learning curve in trainings and operation of all the analysers. All reagent applications and essential parameters are pre-loaded on the analyser, ensuring you an easy and fast forward daily routine.

# Pchem Family

## Pchem 1

Fully-automated Clinical Chemistry Analyser  
up to 180 tests / hour with ISE module on board



### Features and Specifications

- 120 photometric tests per hour. Up to 180 tests per hour with integrated ISE module.
- Integrated ISE module for: Na+, K+, Li+, Cl- in serum, plasma and diluted urine.
- 19 parameters on line plus diluent.
- Mono, double, triple reagents method.
- 9 positions for sample/calibrators/controls with Levy-Jennings plot.
- Primary tubes (Ø12÷13mm x 75/85mm), sample cups (3ml).
- Linear/Non Linear calibration curve up to 8 points with auto-diluted, linear regression, piece wise, cubic spline, polynomial.
- Bar-code reader integrated for samples and reagents.
- Arm equipped with liquid level detector (capacitive), shock sensor.
- High Precision Micro-metering pump to dispense reagents and samples (no syringe).
- Reagent volume: 1÷400 microliters.
- Sample volume: 1÷300 microliters.
- Typical reaction volume: 200 microliters.
- Wavelengths on-board: 8 from 340 nm to 700 nm plus one position free.
- Light source: Long life halogen lamp (2000 hours).
- Photometric linearity: 0÷3.0 OD.
- Reading cuvette: 80 on-board re-washable made in Bionex®.
- Cuvette washing: automatic washing station.
- Water consumption: 2 liters per hour when instrument in full operation.
- Reagent cooler: 14°C below ambient temperature.
- L.I.S.: Bi-directional connection.
- Operational software: Windows® based.



Pchem Family - Fully Automated Clinical Chemistry Analysers