

UDI

United Diagnostics Industry

UDILIPSE

RANDOM ACCESS ANALYZER

Only Unit For G6PDH

First Edition 06, 2006



Less space for: more flexibility
more reliability
more convenience

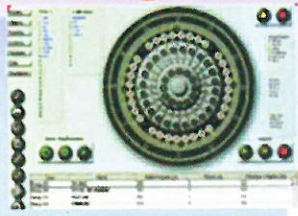
UDILIPSE Little...yet Big

The UDILIPSE is a random access, counter - top instrument for performing chemical and immunoturbidimetric clinical analysis. It is totally automatic and open. Its compact dimensions and state-of-the-art technology make it reliable and flexible, able to meet the needs of even the most demanding small and medium - sized clinical analysis laboratory.

CE



Intelligent



The **UDILIPSE** comes complete with the latest generation personal computer. Under Windows XP it manages, among others, the following functions:

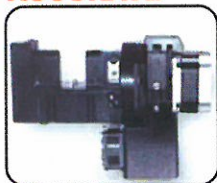
- Unlimited work list
- STAT programming
- Historical patient database
- Quality control
- Visualization and print-out of graphs (Levey - Jennings)
- Methods of programming (open system)
- Management of unwanted sequences
- Database for reagents, standards and controls
- Sample predilution: from 1/2 to 1/100
- Automatic post-concentration of the sample (if required) from 2.0X to 15.0X
- Automatic rerunning of out-of-range results with serial dilution
- Multipoint calibration curves and relative graphs
- Bidirectional interface with host computer - ASTM standard
- Auto-diagnosis program

RELIABLE



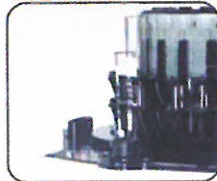
The single sampling arm connected to an integrated diluter module (no consumable or glass parts) guarantees extremely high accuracy and minimum risk of contamination, thanks to the programmable automatic washing of the sampling probe at every analysis cycle. The instrument's level sensor prevents sampling errors and makes it possible for the operator to have constant updating regarding reagent consumption

ACCURATE



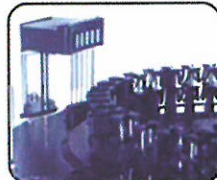
The accuracy and precision of the instrument readings are guaranteed by **UDILIPSE** high quality optic system - double ray with interferential filters (8 different wavelengths), narrow band and automatic positioning.

MODERN



The (optional) barcode reader allows **UDILIPSE** to automatically recognize samples and reagents, and make it possible for even highly automated clinical analysis laboratories to easily adapt this instrument to their daily use.

ECONOMICAL



The **UDILIPSE** washes and dries each reaction cuvette and individually checks them before their reuse in a successive analysis cycle. The reduced size of the reaction cuvettes (optic path length 6mm) makes it possible to minimize the reaction volume to a mere 200 microliters/test.

FLEXIBLE

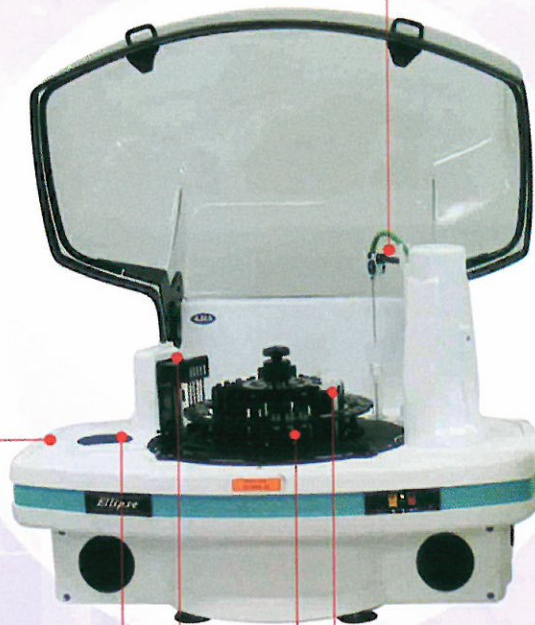


With its four individually removable racks, new samples to be tested, can be added or STAT exams immediately carried out without interrupting the readings already programmed and underway. Either primary tubes or sample cups (for minimum quantities of serum) can be used.

PRACTICAL



The reagent plate can hold up to 24 bottles ranging in volume from 40ml to 5ml. The entire plate (including the reagents) can be easily removed from the instrument for refrigerated storage. The instrument comes with an optional automatic reagent housing refrigeration available on request



UDILIPSE

TECHNICAL CHARACTERISTICS AND SPECIFICATIONS

● SYSTEM DESCRIPTION

Open, random access, counter-top instrument for chemical and immunoturbidimetric clinical analysis

● METHODOLOGIES

Kinetic, fixed time, and point, immunoturbidimetric, differential. 300 + different methods can be programmed

● OPERATIVE MODE

Profile, batch, STAT

● THROUGHPUT

130 tests/hr - 221 tests/hr with the ISE module

● SAMPLE LOADING

Continuous loading on 4 separate racks 8 positions each. STAT samples can be placed at any time in any of the 4 racks and be run immediately.

● SAMPLE CONTAINERS

Primary tubes (diameter from 8 to 16 mm, height up to 100 mm). Cups from 1 ml to 4 ml.

● SAMPLING

Sample volume: 2.0 to 50 microliters (1 μ increments)

Reagents volume: 25 to 400 microliters (1 μ increments)

Capacity level sensor

Reagent preheating to 37°C

Automatic sample probe washing (internal and external) probe wash cycle is operator programmable.

● REAGENTS

24 positions available for reagents containers

● STANDARDS AND CONTROLS

Up to 12 positions

● MINIMUM REACTION VOLUME

200 microliters

● READING CUVETTES

120 semi-disposable, optic grade cuvettes divided among 6 racks (20 each)

● OPTIC MODULE

• Double beam

• Interferential filters + 1 position available for 8 optional filters

• Narrow band filters 340, 380, 405, 492, 510, (546, 578, 620 (± 2))

• FWHM: 10nm \pm 2nm

• 6v - 10w halogen bulb

• Optic path length: 6 mm

• Resolution: 0.0005 Abs

• Linearity: up to 3,500 Abs

● REACTION TEMPERATURE

Air bath at 37°C \pm 0.2

● WATER CONSUMPTION

About 3 ml/test



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