

NEPHYS™



SYSTEM DESCRIPTION

Designed for clinical laboratories, the NEPHYS™ is an open, random access, counter-top, fully automated ImmunoNephelometric system.

METHODOLOGIES

ImmunoNephelometric fixed-time, end point, kinetic and differential 300+ different methods can be programmed

OPERATIVE MODE

Profile, batch, selective, STAT

THROUGHPUT

130 tests/hr

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 99 microliters (1 μ increments)

Reagent volume: 3.0 to 499 microliters (1 μ increments)

Capacitive 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 reagent containers

STANDARDS AND CONTROLS

Up to 12 positions

MINIMUM REACTION VOLUME

250 microliters

READING CUVETTES

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

OPTIC MODULE

2 interferential filters: 630 and 660 nm (other wavelengths available on request)

FWHM: 10 nm \pm 2 nm

6V-10W halogen bulb

Optic path length: 6mm

Light scattering:

630 nm Latex Tests

660 nm Antisera

REACTION TEMPERATURE

Air bath at 37° C \pm 0.2

COMPUTER & SOFTWARE SPECIFICATIONS

(Minimum specs)

Pentium III, 500 MHz

RAM Memory: 256 Mb

Hard disk: 20 Gb

Monitor SVGA 15" color

Printer: Ink Jet

Communication: RS232, USB

Operative System: WINDOWS XP

OPTIONAL ACCESSORIES

- Bar code reader
(reagents and samples)
- Computer table
- Instrument table

POWER REQUIREMENTS

- 90 - 250 VAC

- 47/63 Hz

- 300 W

WATER CONSUMPTION

About 3 ml/test

DIMENSIONS & WEIGHT

- Height: 53 cm

- Width: 57 cm

- Length: 75 cm

- Weight: 35 kg

OPERATING ENVIRONMENT REQUIREMENTS

Room temperature: 18 to 32° C

Relative humidity: 20 to 85%

IVD CE

Factory:

AMS srl Analyzer Medical System

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