Automated Chemistry Analyzer

VEGASYS ™

VegaSys

AMS Analyzer Medical System

... The ideal for VET *and* CLINICAL LABORATORIES

VEGASYS™

DESCRIPTION

The VEGASYS™ is an Open, Fully Automatic, Counter Top, Batch Analyzer for VET and Clinical Laboratory. It runs immunoturbidimetric, clinical chemistry analyses using single or double reagent methodologies.

SAMPLES AND REAGENTS

The VEGASYS™ holds 40 samples (four segments with 10 sample cups each) plus 1 segment for 6 Standards and 2 Controls. Removable reagent tray with 18 reagent containers (25 ml. each).

OPERATION

The VEGASYS™ runs all clinical chemistry and immunoturbidimetric tests: End Points, Fixed Time, Kinetics, Bichromatics and Differential methods with or without Reagent Blank correction, against Factor or Standard. Samples can be loaded by single test or profile.

It is programmed for 7 different calculation algorithms for non-linear analysis, automatic flagging for system and results anomalies, abnormal values, enzymes substrate depletion, Rbl out of range.

OPEN SYSTEM

Wide choice of methods and reagents. The User can programme more than 300 clinical chemistry and immunoturbidimetric applications.

THROUGHPUT

Up to 200 colorimetric tests/hr.

PHOTOMETER

Multi wavelength photometer with narrow band interference filters, 340, 405, 492, 510, 546, 578, 620 nm. Halogen lamp. Linear range up 2.5 OD – resolution of 0.001 OD. Micro- flow-cell, 50 µl total volume, temperature controlled at 37°C ± 0.1°C by Peltier effect.

SAMPLING

High precision Diluter Module.
Sample aspiration from 3 to 99 µl with 1 µl increments.
Reagent dispensing from 5 µl to 500 µl. Minimum reaction volume 450 µl.

REACTION TRAY

114 disposable reaction cells (6 segments of 19 cells each) temperature controlled at 37°C.

COMPUTER (OPTIONAL)

Minimum requirements:
- Pentium III, 300 Mhz
- RAM Memory: 256 Mb
- Hard Disk : 20 Gb
- Monitor: SVGA 15" color – Resolution: 1024x768
- Printer: windows compatible
- Communication: RS232 USB 1.1/2.0 Full Speed
- Operative System: Windows XP

SOFTWARE MAIN FEATURES

The VEGASYS™ software runs under Windows XP and manages the following functions:
- Unlimited work list
- Historical patient and calibration database
- Quality Control graphs visualuzation and print-out
- **Visualization and print-out of calibration graphs**
- Methods programming (open system)
- Management of unwanted sequences
- Database for reagents, standards and controls
- Sample pre-dilution
- **Dedicated Software for VET testing**
- Multipoint calibration curves and relative graphs
- Bidirectional interface with Host Computer
- Auto – Diagnosis program
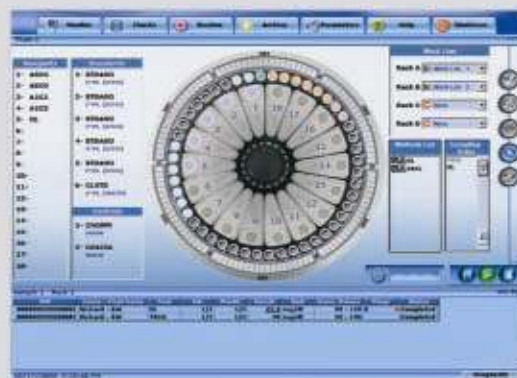
POWER REQUIREMENT

110 – 240 VAC
47/63 Hz
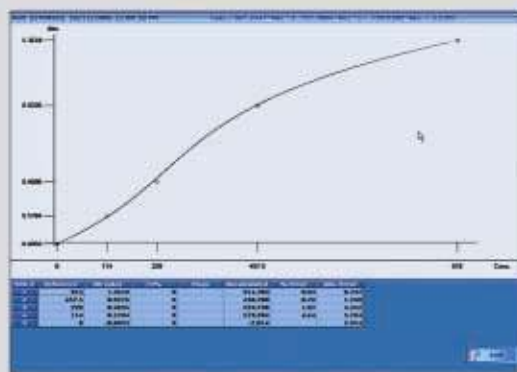180 W

DIMENSION & WEIGHT

Height. 32 cm
Width: 45 cm
Length: 50 cm
Weight: 22 Kg

The VEGASYS software runs under Windows XP

Visualization and print-out of calibration graphs

Dedicated Software for VET testing

IVD CE