



GiantIFE

Electrophoresis Automated System

Technical Features

The right size for automation in clinical electrophoresis

COMPACT

Small dimension, suitable for medium/big labs.

FLEXIBLE

The separation is carried out on small-sized supported cellulose acetate membranes that allow to run the electrophoretic test also with a low number of sample, without any additional cost increase per test.

HIGH THROUGHPUT

The system can work with a full load of 5 cellulose acetate strips in the same working session, which is 40 samples analyzed in about two hours.

FULLY AUTOMATED

GiantIFE automatically manages the complete electrophoretic process.

- loading of all reagents into their respective tanks
- processing of the strip (soaking in buffer solution and removal of the excess of buffer solution before sample application)
- application of samples on the membrane
- electrophoretic migration
- staining and destaining
- densitometry by scanning the patterns and graphs display
- storage of patient's data and results in the archive
- printout of graphs

COMPLETE AND RELIABLE

Automated process ensures the best reproducibility of the results.

VERSATILE

GiantIFE allows to perform serum proteins, hemoglobins, lipoproteins and Immunofixation electrophoresis.

PATIENT'S REPORT

The instrument can be operated by a software installed on PC. It allows to add all the relevant information of the patients and to write descriptions and comments regarding the pattern. The software also allows host connection for bidirectional transfer of data.





FEATURES

- Automated management of all the steps of the analytical cycle
- Washing procedure of reagent tanks before switching the unit off
- USB port
- Bidirectional connection with host computer
- Default parameters are not fixed and can be modified by changing the setting of working parameters
- Acoustic and visual alarm in case of malfunction

HARDWARE CHARACTERISTICS

ELECTROPHORETIC METHODS	Serum Proteins, Hemoglobins, Lipoproteins, Immunofixation
SAMPLE	Serum, Plasma, Urine, Hemolysate
SUPPORT FOR THE ELECTROPHORETIC ANALYSIS	Cellulose acetate supported on Mylar®
WORKLOAD	40 samples
OPERATIVE RATE	24 tests/hour
DENSITOMETER	8 high power leds 550 nm+ 8 optical fiber + 8 photodiodes
LINEARITY	From 0 to 2.5 of O.D.
MIGRATION CHAMBER	Plastic block with titanium electrodes
POWER SUPPLY	Size: cm 56x36x46 (whd): Up to 220 V, 50 Hz. Voltage and Current values can be set separately
SOAKING and STAINING-DESTAINING COMPARTMENTS	Automated filling up to level
WEIGHT	20 kg
INTERFACE	USB
COMPUTER	PC

SOFTWARE CHARACTERISTICS

OPERATIVE SYSTEM	Microsoft Windows: XP/Vista/ 7 / 8.1
USER INTERFACE	Monitor, keyboard and mouse
GRAPH MINIMA POINTS RECOGNITION	Automatic

