



COAGULATION ANALYSER CLOT

A NEW SYSTEM IN COAGULATION! FAST, ACCURATE AND EASY TO USE.

The **semiautomatic analyser Clot**, developed for all the routine and urgency tests in coagulation, is the basic instrument for every kind of laboratory, ambulatory or hospital department.

The **Clot** is easy to use and at the same time it allows the programming of the methods, the **standard curves elaboration** and memorisation of the same; it is equipped with two independent reading channels, a 37°C thermostated plate, a Liquid Crystal Display with four, twenty character lines, a functional keyboard and a built-in printer for the results and the standard curve graphs print-out. The counting system, starting with the addition of the starter reagent to the sample, automatically stops itself at the clot formation and the results are visualised and directly printed out on thermal paper.

The **results** are expressed in seconds, or in **Activity %**, **INR**, **RATIO** or in **Concentration** by operator choosing and the **measurement units** are programmable between **mg/dL**, **g/L**, **UI/mL**.

The alphanumeric keyboard allows the data insertion, the methods programming, the tests selection and the patient identification. The incubation **timers**, for plasma and reagents, are independent and **programmable for each method**: this is an important aid for the correct working time respect. The **Clot** is the only instrument, in his range, allowing the **platelet aggregation test**.

The measurement is done using 0 and 100% automatic calibration with poor or rich platelet plasma and with the continuous mixing program activation: the trace is automatically printed out by the built-in printer with **differentiated printing speed**, programmable by software. The system is already linkable to a Host computer by a RS232 serial out put.



Reading system:	Photometry Light source: infrared LED Wavelength: 950 nm
Effect tests:	PT, TT, aPTT, Fibrinogen, Coagulation Factors and all the tests based on the clot detection Working volumes: plasma 100 µl reagent 200 µl
Mixing system:	Magnetic, by metallic stirrer
Thermostat:	Dry, 37°C +/- 0.5 °C built in
Incubation capacity:	30 cuvettes and 2 reagent vial Independent measurement
Software:	Functions controlled by microprocessor 199 programmable methods Standard curves in memory Results expression: seconds, Activity %, RATIO, INR and Concentration
User Interface:	Display: LCD with 20 character/lines Keyboard: functional alphanumeric Printer: thermal graphical with 192 dots/line Paper: thermosensible 58 mm
Power supply:	230 – 115 V 50-60 Hz 80 W
Dimensions:	L:30 P 30 H 36 cm
Weight:	7 kg