

The new Dimension for the Laboratory



Coagulation Analyzer

Coatron IV

**High flexibility
and precise measurements
make the routine easy**

Coatron IV
means
easy handling of Coagulation tests

This new designed Coagulation Analyzer offers a variety of tests to be flexible in determinations with classical clotting reagents, which are based on turbidity.

The Coatron IV offers the possibility to handle up to 25 different tests separately with all specific parameters.

A selectable activation / deactivation timer function allows automatic switch ON / OFF of the instrument.

The Coatron IV fits perfectly into small and medium Coagulation laboratories and works excellent as a Stand-by unit to already installed automated instruments. For usage in Emergency laboratories this instrument offers all possibilities.



Coatron IV

Tests

PT, APTT, TT, Fibrinogen (Claus), Factor II, V, VII, VIII, IX, X, XI, XII, Batroxobin Time (Venom Time), AT-III, Protein C, Protein S, etc.

flexible for profil (PT, APTT, TT, FIB) or Batch usage

* in preparation: APC, Heptest low/high, Lupus Anticoagulant etc.

Selectable dimensions:

s, %, Ratio, INR, Units (mg/dl)

Development, Manufacturing and Sales:

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Distribution through:

Technical Description

The Coatron IV is a microcomputer controlled Coagulation measuring device with four channels and a LC-Display. An additional Stopwatch realizes time correct operating. The tests will be selected through keys on a foil keyboard. The dialog language is user friendly and selectable in English and German. Other languages can be provided optionally.

The Main program offers following menus

- MEASUREMENTS
- SETUP-SYSTEM
- SETUP-TEST

The measurement will be started either by hand and pressing the OPTIC-key at the same time when reagent is added, or with a connected Autopipette, which gives an electronical start. The result will be displayed in the specific dimension and can be converted and displayed in other dimensions by pressing the UNIT-key. With a connected printer all results will be printed out automatically in all dimensions with date, Optic No. name of the test and the specific normal, therapeutical and critical ranges. Patient identification can be

selected from „NO PAT.ID“ - „MANUAL ENTRY“ and „AUTO-SERIES“ with Start No.

Using the TECO Softwaretools the measuring curve data can be transmitted to a Personal Computer and loaded by any

spread sheet with graphic function. The recorded data can be loaded back into the Coatron IV to simulate a measurement without using reagents, which can be very important for research needs. Also, it is possible to record all specific test parameters in a datafile for backup storage. The test parameters can be loaded back into the memory in the same way. Software updates are realized with an easy download from a computer to the instrument.

Technical Datas

Device

SMD Boards
V-25 Microcomputer
18-bit Analog-Digital Converter
1 MB Flash-EPROM
1 MB E² PROM

Power Supply (external)

Input voltage: 94 to 243 Vac
Input frequency: 50 to 60 Hz
Power output (max): 40 VA
CSA, UL, TÜV-GS, CE-Mark,

Optic block

4-channel Optics
IR-LED with 950 nm

Keyboard

Foil keyboard, 4x8 matrix with Test-, Functions- and Numerical keys

Display

4 lines x 20 Characters
Liquid Crystal Display

Incubation block

20 Cuvettes
prewarming positions
4 Measuring position

1 Reagent position, mixed
2 Reagent positions ø16 mm
Temperature: 37,0°C ± 0,2°C
Autopipette: (optional)
3-stage Autopipette
with electronical start
Volume: 50/100/200 µl

Thermal Printer: (optional)

external, serial printer with
Print-out of all results
Print-out of Test parameters
Print-out of System parameters

Standard package

1 Pc Coatron IV
1 Pc Power Supply
1 Pc Mains cable
50 Pcs Cuvettes
10 Pcs Reagent container
4 Pcs Magnetic stirrer
50 Pcs Fibrinogen mixer bars
1 Pc Reagent adaptor
1 Pc Printer cable, short
1 Pc Operation Manual
1 Pc Warranty card
1 Pc Installation report

Consumables and Accessory

80 050 02 Cuvettes (4 Pos./ea)
80 050 04 Reag.container
80 050 06 Magnetic stirrer
80 530 00 Reag.tubes ø16mm
80 920 07 Pipette tips
80 920 12 Thermal paper
80 920 13 Thermal printer
80 920 14 Printer cable, long
80 920 15 Autopipette
15 432 12 Reag.adaptor ø22,8
15 432 13 Reag.adaptor ø30,0
15 432 14 Reag.adaptor ø22,4
15 432 15 Reag.adaptor ø24,2