

(1) Keyboard

Numerical and function keys for easy controlling of the instrument, as well quick setup of all individual tests.

(2) Graphic display

128 x 128 dot matrix
Blue backlight

(3) Cuvette waste drawer

Removable waste drawer for fast removing of used cuvettes

(4) Cuvette tower

For load of 45 cuvettes: enough for 270 tests, continuous loadable

(5) Printer (back side)

Thermal printer for quick printout of results, system analysis, test setups etc.

(6) Liquid handling

x-y-z high speed robotic system with special Cap Piercing probe, Level sense.

(7) Pump/syringe

Maximum volume: 2500 μ l
Minimum volume: 3 μ l
Long life syringe
Easy to replace and maintain

(8) Rinse container (back side)

Containing 1,25 Liter high quality rinse solution for flushing the probe after each pipette circle. (1 tank ~ 1500 PT)

(9) Reagent block

17 positions heated
12 positions cooled

(10) System block

5 positions heated at 37°C for Buffers, Clean solution and Flush position for the probe, inside and outside. Separate STAT position for immediate Emergency

(11) Sample racks

3 racks with 15 positions each, suitable for most common primary tubes. Every position have individual bar code for positive sample identification

(12) Barcode

Laser Barcode Scanner for quick and accurate identification of all Common Barcodes

(13) Liquid waste drawer

Contain container for collection liquid waste
Volume: 1,25 Liter max.

Optionally: Trolley

For mobile usage and enlarged waste management (big box for used cuvettes and large container for liquid waste)

Lift-up plate for sample preparation (more work area)

Moveable plate for easy replacement of box and container

Additional drawer for accessories and spare parts

Special features of the Coatron A6:

Measurement

- Clotting, chromogenic, immunological
- Quarter test volume (75 μ l)
- high speed testing
- Biphasic waveform analysis
- Profile testing in batch or random access
- Single or double determination
- Automatic reflex testing

Sample

- 3 x 15 primary tubes
- Positive sample identification (ID and rack position) with barcode
- Cap Piercing for BD Vacutainer® or Sarstedt Monovette®.
- Micro tubes like Eppendorf® 2mL for pediatric samples
- Emergency STAT position
- Sample continuous loading in random access mode

System

- 6 optic channels at 405nm with auto light sensing and extraneous light elimination to reduce interferences such like bilirubin or sunlight.
- High-precision XYZ pipetting system with liquid level sensor
- Long living and flexible Cap Piercing needle
- Integrated laser barcode reader for samples and reagent
- Bi-directional Interface for PC-Link to LIS.
- Optional trolley to enlarge the waste management
- Integrated graphical thermal printer
- 34 heated and cooled positions for reagents, controls, buffers
- Integrated drawers for consumables
- System configuration as "OPEN" or "CLOSED"

Quality Control

- Onboard positions for up to 4 control plasma.
- Auto QC flagging for erroneous results
- One click report with Levey-Jennings graph and Westgard analysis
- LOT. number (control + reagent) specific QC analysis is possible

Software

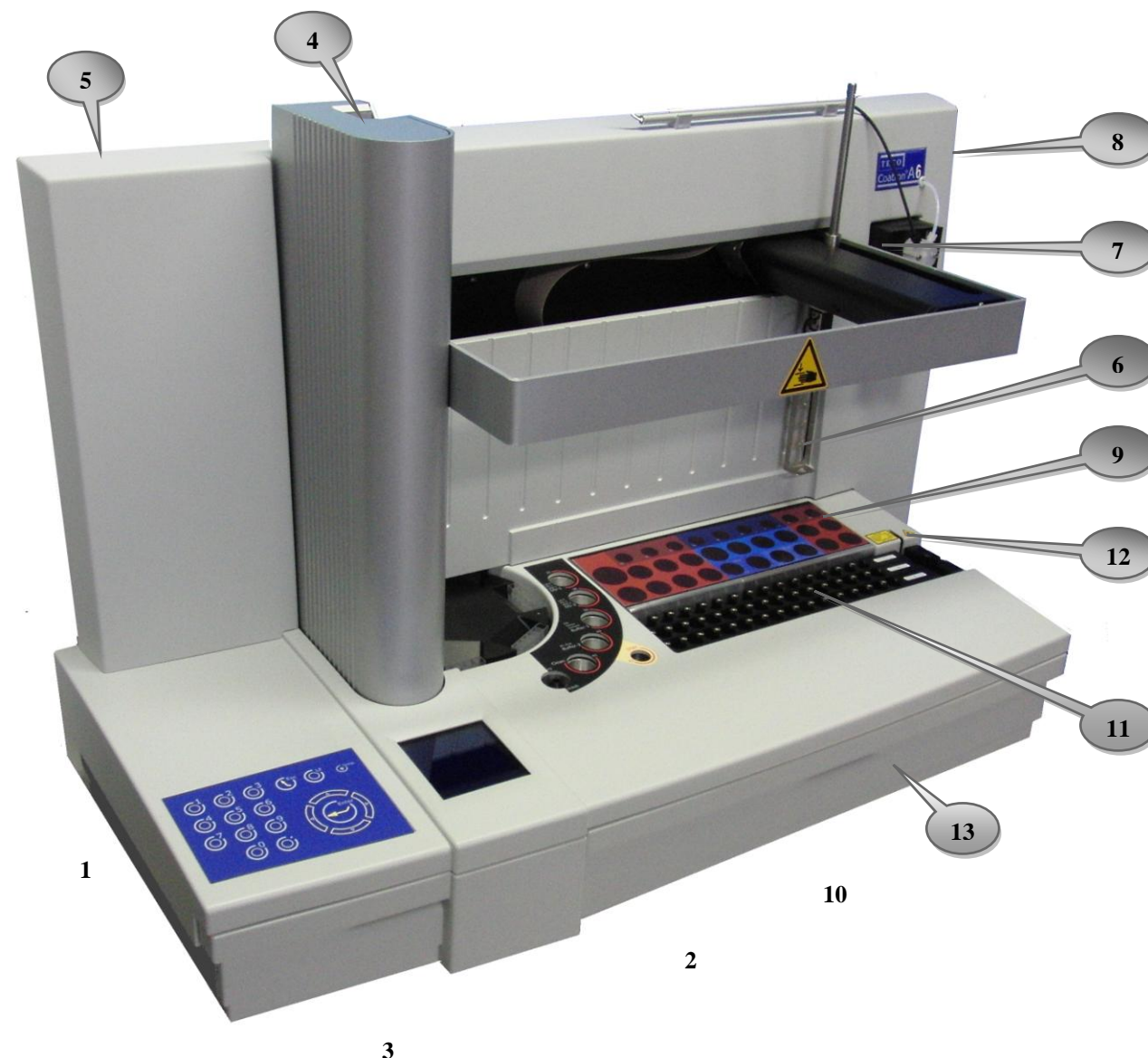
- An intuitive TECO familiar graphical user interface.
- Multi language dialogue (English, German, Spanish, Italian a.o.)
- Free programmable test protocols to change or adapt new tests
- Calculation of activity %, INR, Ratio, g/L, mg/dL and more.
- Calibration curve can be identified with up to 6 points per test.
- Simple firmware update

Special Functions

- Automatic plasma dilutions up to 1:100
- Automatic test calibration routines
- Automatic test skip, if reagent run out.
- Full database for patient history.
- Patient monitoring for long time periods
- Reaction curve monitoring

Economic

- Quarter test volume to 75% cost savings.
- Reagent dead volume is below 200 μ l
- Very economic consumption of rinse and cleaning solution.
- All critical system parameters are monitored and make the Instrument nearly free of service.



Coatron A6

Fully automated Hemostasis Analyzer

Made in Germany
REF: 80 920 00

NEW!

Coatron A6

Tests on board:

PT
APTT
TT
Fibrinogen Clauss and derived
Factor II
Factor V
Factor VII
Factor VIII
Factor IX
Factor X
Factor XI
Factor XII
Protein C
Protein S
LA Screen (DRVVT)
LA Confirm (DRVVT)
Activated Protein C resistance
Heparin
Antithrombin
D-Dimer

In preparation:

PEGX chrom for DXaI
ECAH chrom for DTI
THRO (Thrombin generation)

Calculated units

Activity %, Ratio, Polish ratio, INR
(ISI system or INR calibration
curve), g/L, mg/dL, ng/L, ng/mL,
µg/L, IU/mL

Technical specification

Dimension
85 x 60 x 70 cm

Weight
40 kg

Power input
90-240 Vac / 50-60 Hz

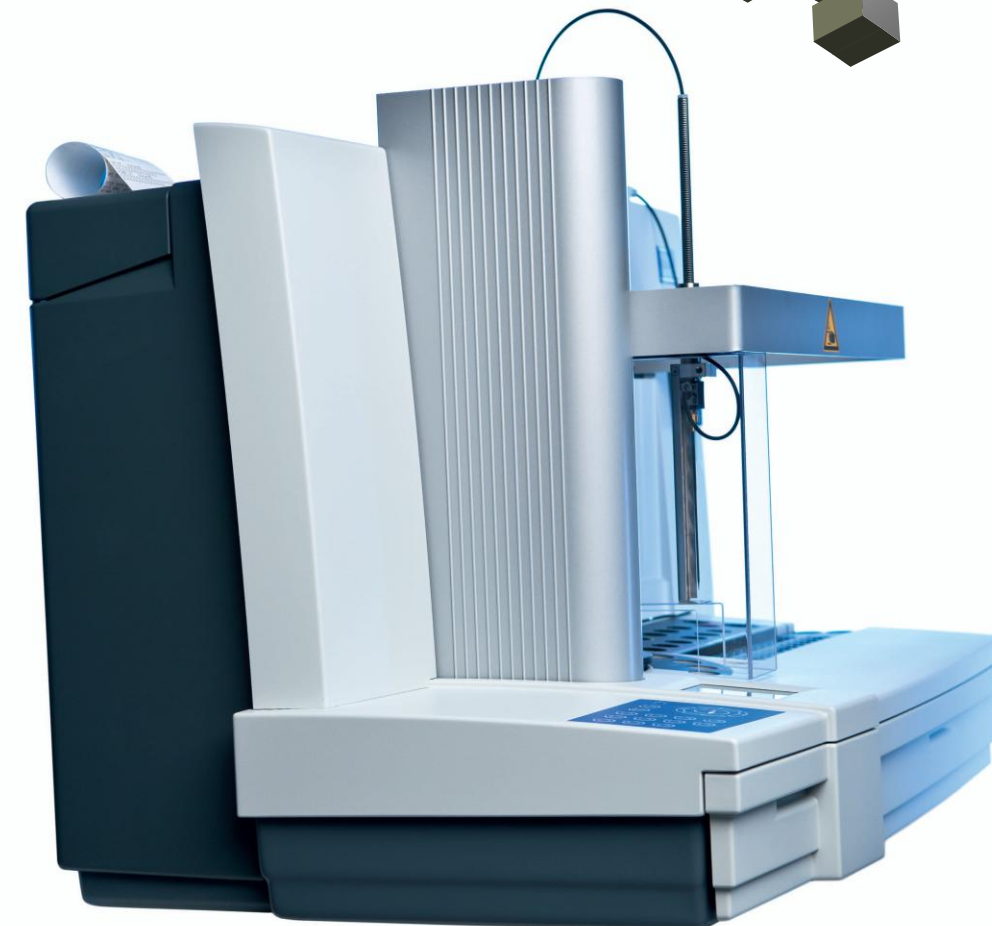
Ambient conditions
18°C – 30°C
20% - 80% r.H.
no direct sunlight

Optional available

- Trolley (for enlarged waste management)
- Complete Cover protection
- TECAM PROLIS – required for bi directional ASTM interface to LIS

Delivery package

- 1 Coatron A6
- 1 Power cord
- 100 Cuvettes, 6 pos/ea
- 10 Reagent container Ø 22,5
- 10 Reagent tubes Ø 13
- 10 Plasma tubes Ø 16
- 4 Magnetic stirrer
- 1 Rinse Solution, 1,25L
- 1 Clean solution, 50mL
- 1 Thermal paper roll
- 1 Waste container
- 1 Reagent adapter Ø 22,5
- 2 Plasma adapter Ø 16
- 1 Operation manual
- 1 CE Conformity declaration
- 1 Service CD
- 1 Download cable
- 1 Screw driver, small
- 1 Flat wrench, size 8



Clotting, chromogenic,
immunological

DTI & DXI (e.g. Hirudin,
Dabigatran®, Fondaparinux®)
and Thrombin generation
measurement

Fully automated 6 channel
random access analyser

High throughput

Up to 75% lower running costs
(quarter volume, low service)

45 patient and 33 reagent
positions

Patient continuous loading

Autoskip and reflex testing

Database for up to 1 Mio
results (including reaction
curve)

One click result reports

One click quality control
reports with Levey-Jennings
graph and Westgard analysis

Integrated laser barcode
reader for samples and
reagents

Multi languages

Cap piercing

Reaction curve monitoring

Bi-directional ASTM interface
(RS232 or network)

System monitoring for reagent,
consumables and service.

Very compact but robust
construction with small
footprint.

System works with any
reagent, but can be configured
as "closed"

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TECAM PROLIS

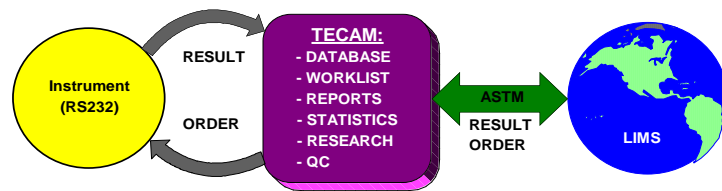
For Microsoft Windows™ XP/Vista

Innovation in
Coagulation

Software For TECO Coatron A4/A6 Analyzer

- New features for Coatron A4/A6
- Intuitive and easy one click operation
- Database up to 1 Mio results
- Worklist management
- Bidirectional ASTM interface to LIMS
- Multi-lingual (Chinese+ Russian included)
- Reaction curve display
- Powerful filter and patient report engine
- QC with Levey-Jennings and Westgard rules

TECAM PROLIS is a perfect and user friendly tool to combine laboratory data management, quality control and research purpose in one. The Worklist management allows defining orders much faster and flexible then on the instrument itself. Powerful filter functions will help to create any report. Levey-Jennings graph and Westgard analysis are used for quality control monitoring. An ASTM interface is included, which allows to link over LAN network with the laboratory information system.

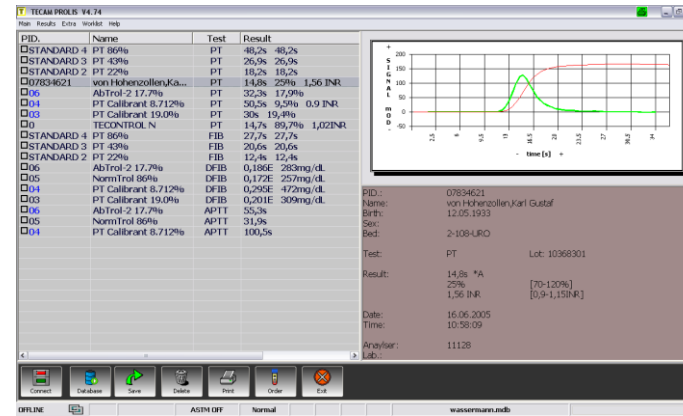


Coagulation Data-Report
Thrombosis & Haemostasis Research Institute
Address: No.2 ABS Street, DF District, HW City,39945
Tel: 53506923
Fax: 22353366

Test	Warning	Result	Range
PT		13.6s	[70-120%]
ATX*		49.3%	[0.90-1.152NR]
FIB	warning flag	11s	[150-350mg/dL]
AT		0.156E	[70-120%]
APTT	A	22.3s	[22-40]
FIB		21.5s	[70-120%]
		96.7%	

Comment: Doctor:ERWTKG

Create reports with a click. Powerful filter functions will help to select just specific results. (e.g. day report, report the last 30 days of patient xyz, report all D-Dimer results of last year which are positive)



Receive results from instrument including the reaction curve which will help to validate before saving them into the database.

Create or receive orders from LIMS and send them to instrument.



Results can be displayed in a Levey-Jennings graph and analysed with Westgard rules. This tool can be used for QC but also for powerful patient monitoring (e.g. last 30 PT of patient)

- Recommended system requirements: Microsoft XP, CPU 1.5 GHZ, 1GB RAM, Graphic 1280x1024

- Support instruments Coatron A4/A6 and OEM's

- Instrument Interface Serial RS232, 115000 Baud, 8,1,N Bidirectional for results, including reaction curve and orders.

- ASTM Interface Protocol: ASTM E1381-94; E1394-97 Communication: TCP/IP (network, LAN) Bidirectional for results, including reaction curve and orders.

- Intuitive handling One click principle for data collection, filtering, reporting or QC

- Multi lingual English, Spanish, Italian, Portuguese, Russian, Greek, Chinese, further languages possible.

- Database Manage over 1Mio results and patient information in one database.

Data fields for: Date, patient (Id, name, sex, birth, bed, station), test, results (s, %, INR), reaction curve, Flags, error, comment, reagent-LOT, patient-memo, analyser SN., ranges (QC + normal)

Database functions: Create, Switch, Backup, Compress, Import, Export, Replace or fill data,

- Complete Traceability by one click Review for Date, PID, Test, and QC by one click

- Reporting Make reports by one click. Use multi-filter or presets to generate specific reports (e.g. show results of specific patient of all PT within the last 30 days)

- Worklist management Create, load, save, repeat, receive and send. Positive patient identification by barcode validation. USB barcode scanner supported. Up to 3 different profiles. Max 8 tests per profile. Preset for up to 6 different QC samples.

- Flexible multi filter Combine every data field: PID=1234+ Date=today + Test=FIB + Result<200mg/gL + Reagent LOT = 1234 + etc)

Filter Presets: Today; last 7, 15, 30, 180, 360 days; morning, afternoon; only QC etc.

- Statistical analyse for QC or patients Filter any data (e.g. Patient XYZ, only PT, last 30days), and visualize them with Levey Jenning diagram with one click. Analyse data with Westgard Multirules. Define QC or Patient ranges.

- Research Curve analysis, Tecmoni transmission, Export data, grids, charts, curves to PDF, XLS, TXT or HTML file

- Tecmoni transmission This tools allows to visualize all optic channels in real-time. It is perfect for enhanced curve analysis and used in many research laboratories. With Tecmoni the reaction curves can also sent back to instrument. Especially for developing new test application and instrument firmware, this will save a lot of reagent and time.

- Security Operator can login as Administrator or user in order to control and manage the database with different access rights

- Online update