

(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 µl
Minimum volume: 3 µL
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

21 positions heated
12 positions cooled
Reagent are barcoded (Test, Lot, Exp)

(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

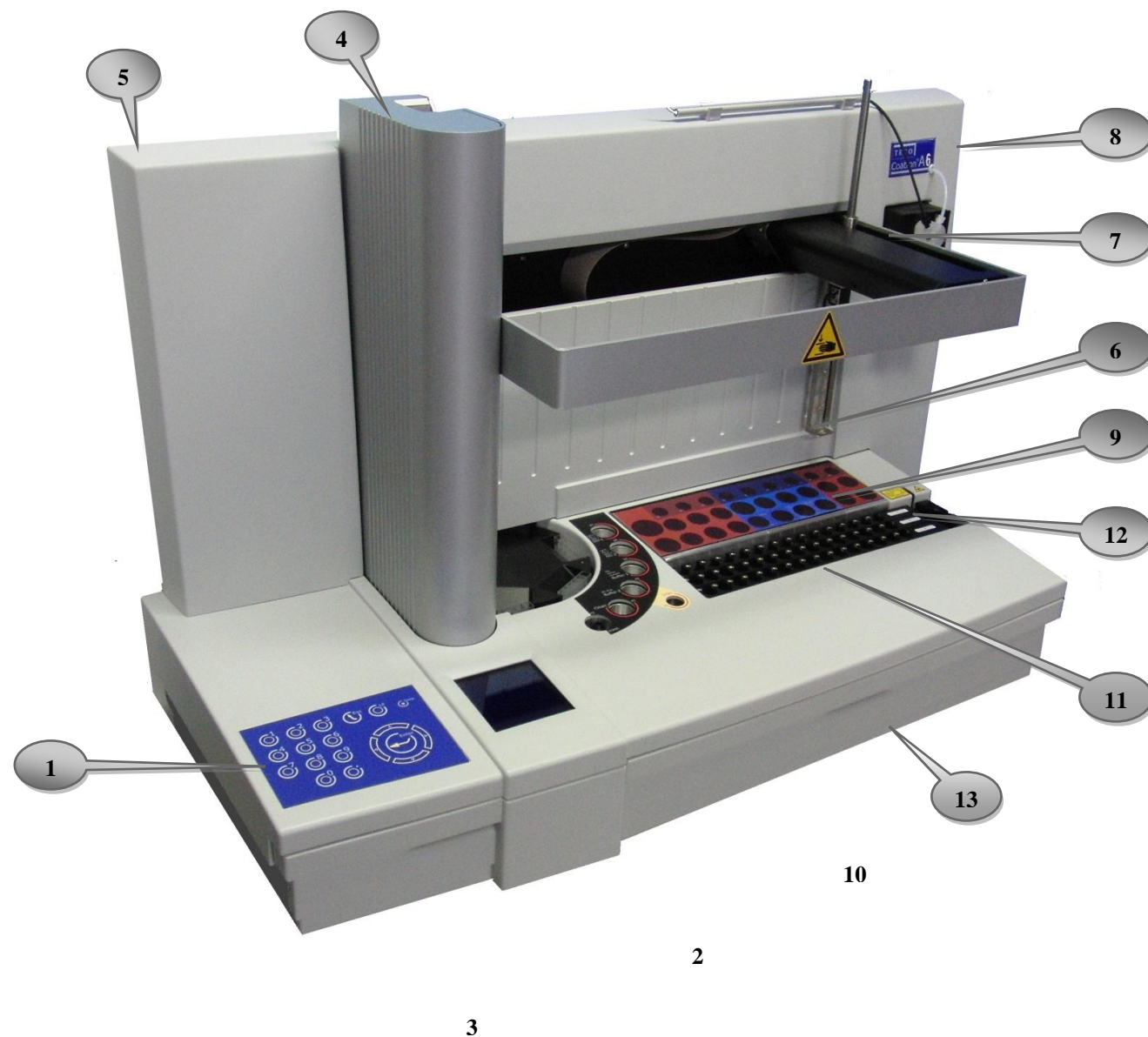
Laser Barcode Scanner for quick and accurate identification of all Common Barcodes

(13) Liquid waste drawer

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

Enlarged waste management

Install big box for used cuvettes and large or external container for liquid waste



Measurement

- Clotting, chromogenic, immunological
- Quarter test volume (75µL)
- 280 Tests/h, 80 Profiles (PT, aPTT+FIB)
- Biphasic waveform analysis
- Profile testing in batch or random access
- Preset for 9 different profiles
- 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 3 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

- Intuitive TECO familiar graphical user interface.
- Multi language dialogue (En, Ger, Sp, It, China, Greek, Russia,..)
- 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.

Special Functions

- Automatic plasma dilutions up to 1:100
- Automatic test calibration routines
- Automatic test skip, if reagent run out.
- Database for 1 Mio patient history.
- Test calibration management for each reagent lot.
- Each result can be traced back to reagent lot and calibration data.
- Patient monitoring for long time periods
- Reaction curve monitoring

Economic

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

TECO

Innovation in Coagulation

Coatron® A6

Fully automated coagulation analyzer

Made in Germany
REF: 80 920 00

Coatron A6

Global:

PT
aPTT
Thrombintime
Fibrinogen (Clauss & PT derived)
Heparin

Factors:

Factor II
Factor V
Factor VII
Factor VIII
Factor IX
Factor X
Factor XI
Factor XII

Thrombophilia:

Protein C
Protein S & free Protein-S
Factor V Leiden (APC-R)
Antithrombin
D-Dimer & FDP
LA Screen (DRVVT)
LA Confirm (DRVVT)
Plasminogen

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
65 x 102 x 63 cm

Weight
55 kg

Power input
90-240 Vac / 50-60 Hz

Ambient conditions
18°C – 24°C
max. 60% rel. humidity
no direct sunlight

Optional available

- Enlarged waste management
- Complete Cover protection
- TECAM PRO LIS – required for bi directional ASTM interface to LIS

Delivery package

- 1 Coatron A6
- 1 TECAM PRO CD + license
- 1 Power cord
- 100 Cuvettes, 6 pos/ea
- 10 Reagent container Ø 22,5
- 10 Reagent tubes Ø 13
- 10 Plasma tubes Ø 13
- 4 Magnetic stirrer
- 1 Clean A solution, 1,25L
- 1 Clean-B solution, 500mL
- 1 Thermal paper roll
- 1 Waste container
- 2 Reagent adapter Ø 30.0
- 2 Reagent adapter Ø 24.5
- 2 Reagent adapter Ø 22.5
- 1 Operation manual
- 1 Download cable
- 1 Screw driver, small
- 1 Flat wrench, size 8

TECO

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Clotting, chromogenic,
immunological

High throughput (280 Tests/h)

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

45 patient and 33 reagent
positions and 270 cuvettes.

Integrated printer

Integrated barcode reader

Cap piercing

STAT orders

Patient continuous loading

Reflex testing

Automatic test calibration

Automatic sample dilution

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

Test calibration management

Each result can be traced back to
reagent lot and calibration

QC reports with Levey-Jennings
graph and Westgard analysis

Multi languages

Reagent barcode reading

Reaction curve monitoring

Programmable protocols to adapt
new reagent or test.

Fully bidirectional LIS
connectivity (RS232 or network)

System monitoring for reagent,
consumables and service.

Small footprint.

System can be configured as
"closed" or "opened"



