



# CoaDATA 4004

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**Semi-automated 4-channel coagulation analyzer for fast and accurate determination of coagulation, chromogenic and immunturbidimetric assays. Compact in size, easy to operate, this analyzer is the ideal partner for the mid-size coagulation laboratory with slightly increased throughput.**

**The CoaDATA 4004 is the consistent continuing development of the existing turbodensitometric measuring principle. This unique measuring system combines a high-resolution photometer unit with the mechanical stirring of the test batch and ensures a precise and reliable determination of results over the entire coagulation spectrum.**



[labitec.com](http://labitec.com)



## CoaData 4004

### FEATURES

### DETECTION PRINCIPLE

- LED Photometric (photo-mechanic)
- Magnetic stir bar for homogenizing the test approach and increase of sensitivity
- Large measuring range with higher accuracy and precision compared to only optical detecting principles
- Ambient light compensation
- Plasma Samples
- Micro volume: 150µl test volume

### MEASURING UNIT (37,4°C CONTROLLED)

- 4 Measuring channels (405nm)
- 4 Reagent positions (1x stirred)
- 16 Cuvette incubation positions

### FEATURES

- Internal thermal printer
- Open System, free editable reagent parameter
- 15 programmable test positions
- Automated calculation of seconds, INR, %, g/l, mg/dl, Ratio, mE, ng/dl
- 2 editable calibration-/reference curves (9 points)
- Patient-ID, numeric and alphanumeric (Barcode)
- Uni-directional HOST communication
- Multi-language user interface (DE, EN, ES, FR, PT, RU)



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### ASSAYS

#### COAGULATION REAGENTS

- PT (Seconds, %, INR)
- aPTT (Seconds, RATIO)
- Fibrinogen according to Clauss (mg/dl, g/l)
- Thrombin Time (Seconds)
- Batroxobin Time (Seconds)

#### FACTOR DEFICIENT REAGENTS

- Extrinsic Factors II, V, VII and X (PT based)
- Intrinsic Factors VIII, IX, XI and XII (aPTT based)

#### THROMBOSIS RISK REAGENTS

- Protein C (Clotting Test)
- Protein S (Clotting Test)
- Lupus Anticoagulant
- Factor V Leiden
- APC-Resistance

#### CHROMOGENIC SUBSTRATES

- Protein C (Chromogenic)
- Protein S (Chromogenic)
- Anti-Thrombin III
- Plasminogen
- $\alpha$ 2-Antiplasmin

#### IMMUNTURBIDIMETRIC TESTS

- D-Dimer



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### TECHNICAL DATA

#### DIMENSIONS:

26 x 33 x 9 cm (LxWxH)

#### POWER SUPPLY:

100V-240V, 47-63Hz, 260mA

#### OUTPUT:

24VDC / 3.75A

#### WEIGHT:

3.9 kg

#### OPTIONS:

External thermal printing device

#### INTERFACES:

- ChipCARD® reading unit
- RS232 (Printer / Barcode Scanner)
- USB-Device (HOST)
- SD-Card

