January 2019

LABiTec®

CoaDATA 4004

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.

NEW
incl. Dual-wavelength technology

labitec.com

LABiTec® - LAbor BioMedical Technologies GmbH · An der Strusbek 6 · 22926 Ahrensburg · Germany
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FEATURES

DETECTION PRINCIPLE

- LED Photometric (photo-mechanic)
- More insensitive to interferences from hemolysis, icteric and lipemic (HIL) samples
- Advanced coagulation diagnostics (coagulation, chromogenic and immunological methods) by selectable wavelengths (405nm & 750nm) for each measurement channel
- 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)

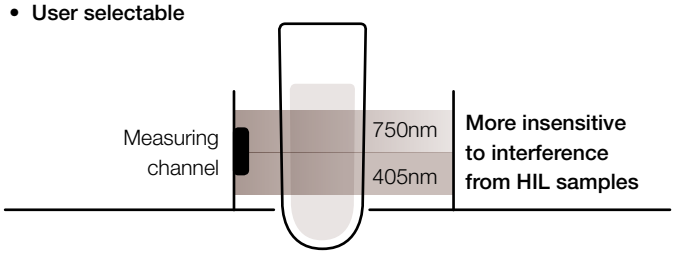
- 4 Measuring channels
- 4 Reagent positions (1x stirred)
- 16 Cuvette incubation positions

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)

Multi-wavelength analysis for your advanced coagulation diagnostics

- **405nm / 750nm wavelength**
- **User selectable**



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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
- α2-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

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