



## CoaLAB - C

Fully automated coagulation analyzer for clotting, chromogenic and immunologic assays

### CoaLAB – C Specifications:

#### General description

Application:	
Coagulation tests:	PT, aPTT, TT, Fibrinogen, etc., Single Factors, Protein C etc.
Chromogenic tests:	Plasminogen, Single Factors, AT III (A), Factor XIII.
Immunologic tests:	D-Dimer
Working methods:	- Random Access (sample oriented) - Batch (test selective) - STAT (emergency)
Measuring principle:	Photometric with magnetic stirrers to homogenize the test mixture and increase the sensitivity.
Test throughput:	PT 185/h; aPTT 70-100/h (depending on reagent); PT/aPTT/TT/ATIII (A) 35/h.
Cuvette-volume:	150 - 350µl
Pipetting-volume:	2 - 180µl
Measuring channels:	4 channels
Calibration:	On request including saving and display of reference curves.
STAT's:	Up to three urgent (STAT) samples per sample rotor can be loaded during the run for priority processing.

#### Analyzer

a) primary tubes:	Sarstedt Monovette 3ml or 5ml BD Vacutainer 4,5ml or 8ml
b) secondary vessel:	4ml LABiTec Cup
Reagent positions:	27 reagent positions - 13 cooled to 15°C ± 0.5°C, incl. 2 positions with mixer - 14 at room temperature for standards, controls and special reagents



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Sample Rotor:	For samples with barcode: 44 positions - 28 positions for primary tubes or cups (incl. 3 positions for STAT`s) - 16 positions for LABor sample cups without barcode
Measuring rotor:	2 measuring rotors working in parallel, each with: - 32 cuvette positions each heated at 37°C ± 0.3°C, - speed-controlled mixer-motors: 100-600 rpm
Cuvette rings:	Cuvette ring with 32 single cuvettes, cuvettes equipped with mixers
Pipettor:	Movable in 3 directions (x, y, z), pipettor tip heated to 37°C ± 0.3°C
Dilutor:	500µl syringe
Photometer:	Light source: halogen lamp (12 V/20W); light guide: glass fiber cable
Filter:	Interference filter 620nm, 492nm, 450nm, 405nm, 340nm
Rinsing:	With dist. water (approx. 4ml per rinse) a) Normal b) Intensive for thrombin-containing reagents c) Disinfection
Heating:	Measuring rotors, 13 reagent positions, pipettor
Operating system:	Windows NT 3.5.1 (providing multitasking and net working)
Dimensions:	(W) 41.3 x (D) 20.2 x (H) 20.7
Weights:	approx. 60 Kg (~ 132.3 lb)
Voltage and power:	115/120/230/240 V (± 10%), 50 - 60 Hz, 200 VA, Over voltage category class II, Contamination degree class II
Environmental conditions:	Working conditions: Ambient temp. +10°C to +30°C, Relative humidity less than 85%, non-condensing