

# Coagulyzer® Auto Pro



Comprehensive and reliable  
hemostasis automation

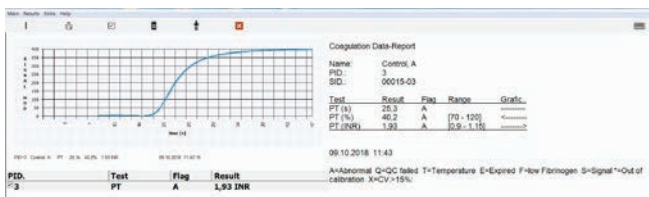


- True walk-away automation
- Continuous loading of patient samples
- On-board cuvette storage (160 tests)
- Low reagent consumption
- Cap Piercing
- User-friendly software for simple operation

## The Coagulyzer® Auto Pro

is a compact stand-alone automatic hemostasis analyzer that meets the demands of moderate throughput hemostasis laboratories. The analyzer offers an excellent analytical performance for clotting, chromogenic and immunoturbidimetric methods with a throughput of up to 100 PT/hour. The Coagulyzer® Auto Pro has been designed with a clear focus on being user-friendly, reliable and cost effective.

Analyticon delivers a complete system with reagents, controls and calibrators. The Coagulyzer® Auto is applicable for all Coagnos® parameters (PT, APTT, Fibrinogen, Thrombin Time, D-Dimer, Protein C, AT III and Protein S).



Tecam Pro result view

The screenshot shows a worklist table in the software interface. The table has columns for POS., PID., PT, APTT, FIB, TT, and DD. The rows represent individual test positions, each with a unique PID and assigned test parameters.

POS.	PID.	PT	APTT	FIB	TT	DD
P001	9450	PT	APTT	FIB	TT	DD
P002	9451	PT	APTT	FIB	TT	DD
P003	9452	PT	APTT	FIB	TT	DD
P004	9453	PT	APTT	FIB	TT	DD
P005	9454	PT	APTT	FIB	TT	DD
P006	9455	PT	APTT	FIB	TT	DD
P007	9456	PT	APTT	FIB	TT	DD
P008	9457	PT	APTT	FIB	TT	DD
P009	9458	PT	APTT	FIB	TT	DD
P010	9459	PT	APTT	FIB	TT	DD
P011	9460	PT	APTT	FIB	TT	DD
P012	9461	PT	APTT	FIB	TT	DD
P013	9462	PT	APTT	FIB	TT	DD
P014	9463	PT	APTT	FIB	TT	DD
P015	9464	PT	APTT	FIB	TT	DD
P016	9465	PT	APTT	FIB	TT	DD
P017	9466	PT	APTT	FIB	TT	DD
P018	9467	PT	APTT	FIB	TT	DD
P019	9468	PT	APTT	FIB	TT	DD
P020	9469	PT	APTT	FIB	TT	DD
P021	9470	PT	APTT	FIB	TT	DD
P022	9471	PT	APTT	FIB	TT	DD
P023	9472	PT	APTT	FIB	TT	DD
P024	9473	PT	APTT	FIB	TT	DD

Tecam Pro worklist handling



- 15 x reagent positions
- 1 x stirred
- 4 x heated at 37°C
- 2 x room temperature
- 6 x cooled
- 3 x prewarm

## User-friendly

- TecamPro Software is an intuitive software that enables easy operation and worklist handling, as well as result and QC managing (Levey-Jennings, Westgard rules)
- Continuous loading of patient samples and cuvettes enables easy and fast use of the system
- Walk-away time displayed by software
- Patient-ID identification via barcode scanner
- Cap piercing needle for primary tubes
- STAT position allows the processing of emergency samples
- Automated routines
- Test skip function, in case reagent is used up

## Reliable and accurate

- High-precision XYZ pipetting system with integrated level sensor
- Reduced interferences of Bilirubin and Hemoglobin by optical autocorrection
- Automated result calculation in %, INR, Ratio, g/l, mg/dl and more
- Automated dilution of plasma samples up to 1:100

## Cost effective and efficient

- Efficient sample processing by running batch or selective profiles
- Highly economic consumption of rinse and clean solutions
- Reduced maintenance and improved efficiency by monitoring of all critical system parameters
- Low reagent consumption (50 % volume procedures / dead volume < 300 µl)

### Reagents

Coagnos® PT	Clot based assay	Liquid stable, rabbit brain tissue factor, ISI value included
Coagnos® APTT	Clot based assay	Liquid stable, Silica activator, CaCl <sub>2</sub> included in kit
Coagnos® Fibrinogen	Clot based assay	Thrombin: 50 NIH/ml concentrate, calibrator included in kit
Coagnos® Thrombin Time	Clot based assay	Bovine thrombin, < 10 NIH units/ml, lyophilized
Coagnos® D-Dimer	Immunoturbidimetric assay	Liquid stable reagent, calibrator included in kit
Coagnos® Protein C	Chromogenic assay	Protein C activation through snake venom
Coagnos® Antithrombin Xa	Chromogenic assay	Insensitive to Heparin Cofactor II
Coagnos® Protein S	Clot based assay	Suitable for all clot based detection methods

### Controls & Calibrators

Coagnos® Routine Control N	Human plasma, lyophilized
Coagnos® Routine Control P	Human plasma, lyophilized
Coagnos® Special Control N	Pool of citrated plasma, lyophilized
Coagnos® Special Control P	Pool of citrated plasma, lyophilized
Coagnos® D-Dimer Control H/L	D-Dimer enriched human plasma, lyophilized
Coagnos® Calibration Plasma*	Pool of citrated plasma, lyophilized
Coagnos® PT Calibration Plasma	PT Calibrant plasma 1-4, lyophilized

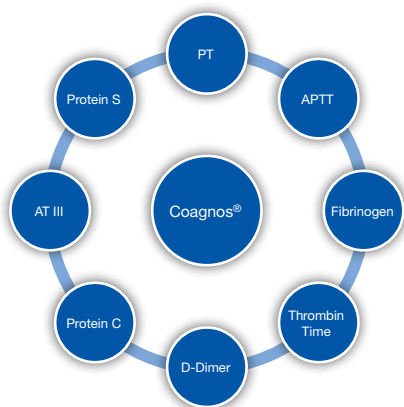
\* can be used for the calibration of Coagnos® Fibrinogen, Coagnos® Protein C, Coagnos® Antithrombin Xa and Coagnos® Protein S

Coagnos® coagulation parameter	Controls					Calibrator	
	Coagnos® Routine Control N	Coagnos® Routine Control P	Coagnos® Special Control N	Coagnos® Special Control P	Coagnos® D-Dimer Control H/L	Coagnos® Calibration Plasma	Coagnos® PT Calibration Plasma
Coagnos® PT	■	■	■	■			■
Coagnos® APTT*	■	■	■	■		n.a.	
Coagnos® Fibrinogen <sup>1)</sup>	■	■	■	■		■	
Coagnos® Thrombin Time*	■	■				n.a.	
Coagnos® D-Dimer <sup>2)</sup>					■		
Coagnos® Protein C			■	■		■	
Coagnos® Antithrombin Xa	■	■	■	■		■	
Coagnos® Protein S			■	■		■	

\* no calibrator necessary

1) Fibrinogen calibrator included in the kit

2) D-Dimer calibrator included in the kit



## Specifications

Type	Fully automated hemostasis analyzer
Measuring technology	Adapted photometric measurement principle with highly sensitive 4-channel LED optics (400 nm)
Throughput	100 PT/h; 55 APTT/h
Measuring Temperature	37°C
Test volume	150 µl
Sample position	2 x 12 position, racks are removable, additional STAT position
Reagent position	15 reagent position (1 x stirred, 4 x heated at 37°C, 2 x room temp., 6 x cooled, 3 x prewarm)
System block	5 positions heated at 37°C for buffers, clean solution and wash pool
Interfaces	Standard: uni-directional interface for PC-Link to LIS (RS232C / Tecam Pro Software) Optional: bi-directional interface for PC-Link to LIS (Tecam PRO LIS Software)
Dimensions	850 x 600 x 750 mm (WxDxH)
Weight	68 kg
Power Supply	100–240 V AC, 50/60 Hz
Operating environment	Temperature: +18°C to +30°C; Relative humidity: 20% to 80%
Printer	Built-in thermal printer
Tecam Pro (external user interface)	Comprehensive data management tool for result and worklist handling with filter function; Storing and managing up to 1 Mio results; Reaction curve monitoring; Patient monitoring over long periods of time; QC analysis with Levey-Jennings and Westgard Rules
Languages	System: Englisch, German, Spanish, Italian TecamPro: English, Spanish, Italian, Portuguese, Russian, Greek, Chinese, Turkish

Coagulyzer® Auto Pro with Starter Kit + Tecam Pro Software, Art.-No.: CG1100

Consumables	Kit Size	Art.-No.
Cuvette block	50 x 20 (4 pos/each) 1000 cuvettes, 4000 tests	CG0455
Rinse solution	3 x 1.25 l	CG0121
Rinse solution	9 x 1.25 l	CG0122
Clean solution	1 x 0.5 l	CG0123
Reagent container, Ø 22.5 x 40 mm, 15 ml	1 x 100	CG0124
Plasma tubes, Ø 13 x 75 mm, 5 ml	1 x 100	CG0125
Micro tubes, safe-lock, Ø 11 x 40 mm, 2 ml	1 x 100	CG0126
Stirring magnets	1 x 10	CG0127
Thermal Paper (80 mm)	1 x 5	A93027
Upgrade to Tecam Pro LIS Software		CG0500

Distributor information



### Analyticon Biotechnologies AG

Am Muehlenberg 10  
35104 Lichtenfels - Germany  
Phone: +49 6454 7991-0  
info@analyticon-diagnostics.com  
www.analyticon-diagnostics.com