

SCLAVO COAGULOMETERS



SCLAVO-4CH, SCLAVO-5CH

Semi-automatic **optical and mechanical** coagulation analyzers with integrated Quality Control

SCLAVO COAGULOMETERS – ESSENTIAL INSTRUMENTS FOR EVERY LABORATORY:

Ambulance, First Aid Station, Polyclinic: primary coagulation tests (medical checkup), including INR monitoring for patients on indirect anticoagulants to prevent arterial or venous thrombosis and thromboembolism (strokes, heart attacks)

Perinatal Center, Maternity Hospital: hemostasis monitoring for pregnant women, women in labor and newborns

Hospital, Clinic: anticoagulant and transfusion therapy control

Emergency Medical Services: rapid diagnostics of blood clotting disorders

COVID-19 Treatment Departments: hemostatic system control, selection of effective dose and monitoring of anticoagulant therapy for thrombosis prevention

SCLAVO COAGULOMETERS ADVANTAGES:

- 1. Simplicity and Convenience of Operation:** intuitive interface, automatic measurement initiation with any dosing device, automatic calculation of results, integrated thermal printer
- 2. High Efficiency and Availability:** significantly reduced reagent consumption, high accuracy and quality of analysis, competitive pricing for instruments, disposable materials and accessories
- 2. Integrated Quality Control:** repeatability assessment, control chart construction and analysis according control rules.
- 4. USB Barcode Scanner:** upload patient IDs and reagent lot numbers, calibrate using barcode
- 5. High Reliability:** 4 years warranty
- 6. Methodological Support:** free helpline for operational and reagent consultations

MODELS:

SCLAVO-4CH – 4-channel coagulometer **SCLAVO-5CH** – 4-channel coagulometer + 1 additional chromogenic channel

TECHNICAL SPECIFICATIONS

Parameters	Models	
	SCLAVO-4CH	SCLAVO-5CH
Registration method	clotting (optical and mechanical)	clotting (optical and mechanical) chromogenic
Samples	blood, plasma (no effects of hemolysis, lipemia, icterus)	
Reagents	open system	
Reaction mix volume	100-150 µl (for clotting tests) 300-400 µl (for chromogenic tests)	
Measuring channels	4	5
Incubation positions	8 total / 4 with timer	
Reagent positions	4 total / 2 with magnetic stirrer	
Control interface	4.3" color touch graphic display	
Measurement initiation	automatic (by any dosing device, e.g., pipette)	
Barcode scanner	sample identification (patient ID), reagent lot numbers, calibration (option)	
Quality Control	quality control for measurements (including calibration), analysis of repeatability , evaluation of precision and accuracy series of results control chart construction and analysis according control rules	
Memory	6 144 records (including calibration) display and printout, intelligent search by: test number/patient ID/date	
External interfaces	USB (barcode scanner), Ethernet (PC or LIMS connection)	
Units	seconds, index, ratio, INR, %Quick, NR, %, g/L, U/mL, ng/mL (automatic conversion to test-specific units)	
Clotting tests (16 assays)	PT (s, index, ratio, INR, %Quick) APTT (s, ratio) TT (s, ratio) Fibrinogen (g/L) Factors (extrinsic pathway) II, V, VII, X (s, %) Factors (intrinsic pathway) VIII, IX, XI, XII (s, %) Protein C (s, NR) Antithrombin III (s, %) Anti-Xa heparin (seconds, U/mL)	
Chromogenic tests (8 assays)		Antithrombin III (%) Plasminogen (%) Protein C (%) 2-Antiplasmin (%) Anti-Xa heparin (U/mL) D-dimer (blue) (ng/mL) D-dimer (red) (ng/mL)

