Semi-Automatic Coagulation Analyzer, 4 Channels, 24 Incubation Wells, 37±0.3°C, Touch Screen

Model **MSBCA-SA-4-24SSWISS** | Brand **Master Science**









The Semi-Automatic Coagulation Analyzer tests PT, APTT, TT, FIB and clotting factors on four independent channels, so four different tests can run at the same time. It uses a scattered light principle with percentage analysis at 405 nm and 660 nm, and a thermostatic block holds samples at 37 ±0.3°C with four stirring systems.

KEY HIGHLIGHTS

- Four Tests at Once
- Stable 37°C Incubation
- Flexible Reagent Use
- Full QC Support

AT A GLANCE

37 ±0.3°C
TEMPERATURE PRECISION

The block holds 37 ±0.3°C.
TEMPERATURE DRIFT DURING PRE-WARMING

Request a Quotation
Contact us for pricing, configuration options and delivery details.

support@themsci.com
www.themsci.com

Scan to view online

Overview

Twenty-four sample and six reagent heating positions keep material ready for testing. The Semi-Automatic Coagulation Analyzer runs from a 7-inch color touch screen, stores 10,000 results along with calibration and real-time curves, prints on an internal thermal printer and works with an open reagent system.

When workload grows, step up to our Compact Automatic Coagulation Analyzer, the automated partner of the Semi-Automatic Coagulation Analyzer.

Small labs doing coagulation tests by hand face the issues below. The Semi-Automatic Coagulation Analyzer handles each one.

Key Benefits

Four Tests at Once
Independent channels with their own timers and stirrers run four different assays together.

Stable 37°C Incubation
The thermostatic block holds ±0.3°C for sample and reagent pre-warming.

Flexible Reagent Use
The open reagent system and selectable 50/75/100 µL volumes help control running costs.

Full QC Support
Quality control curves and reports, plus stored calibration curves.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSBCA-SA-4-24SSWISS
SKU	MSBCA-SA-4-24SSWISS
Test Channels	4, four different tests at the same time
Sample Heating Positions	24
Reagent Heating Positions	6
Software Timers	4
Stirring Systems	4
Test Wavelengths	**405 nm, 660 nm**
Sample Volume	50, 75 or 100 µL
Reagent Volume	50, 75 or 100 µL
Temperature Precision	37 ±0.3°C
Repeatability	CV ≤ 2%
Channel Difference	CV ≤ 2%
Test Items	PT, APTT, TT, FIB, clotting factors
Result Formats	s, %, PTR, INR, g/L, mg/dL
Display	7-inch color touch LCD
Memory	10,000 test results
Printer	Internal thermal printer
Interfaces	2 × USB, 1 × RS232 (PC connection)
Barcode Scanner	Connectable (optional)
Menu Languages	English, French, Spanish, Portuguese, Indonesian
Power Supply	100-240 V, 50/60 Hz
Operating Conditions	15-30°C, humidity ≤ 90%, altitude ≤ 4500 m
Dimensions (L × W × H)	395 × 320 × 135 mm
Net Weight	5 kg

PROBLEMS THE SEMI-AUTOMATIC COAGULATION ANALYZER SOLVES

Running one test at a time	Four channels run four different tests together.
Temperature drift during pre-warming	The block holds 37 ±0.3°C.
Locked into one reagent brand	The open reagent system accepts various reagents.
Lost QC records	QC curves, reports and 10,000 results are stored on board.

Applications

- **PT/INR testing for anticoagulant monitoring**
- **APTT and TT screening**
- **Fibrinogen measurement**
- **Clotting factor assays**
- **Coagulation testing in clinics and small hospital labs**

Measurement

- Scattered light principle with percentage analysis
- Dual wavelength: 405 nm and 660 nm
- Four channels with four stirring systems
- Repeatability and channel difference CV ≤ 2%

Incubation and Handling

- Thermostatic block at 37 ±0.3°C
- 24 sample and 6 reagent heating positions
- Test cup location system and sample bracket
- Selectable 50, 75 or 100 µL sample and reagent volumes

Software and Data

- 7-inch color touch screen
- QC curves and QC reports
- Stored calibration and real-time curves
- 10,000 results in memory
- Optional PT-derived fibrinogen method to reduce reagent use

Connectivity

- Internal thermal printer
- 2 USB ports and RS232 for PC connection
- Optional barcode scanner
- Open reagent system; closed system optional

Standard Accessories Included

- Semi-automatic coagulation analyzer main unit
- Internal thermal printer

Optional Accessories

- Barcode scanner
- Closed reagent system configuration