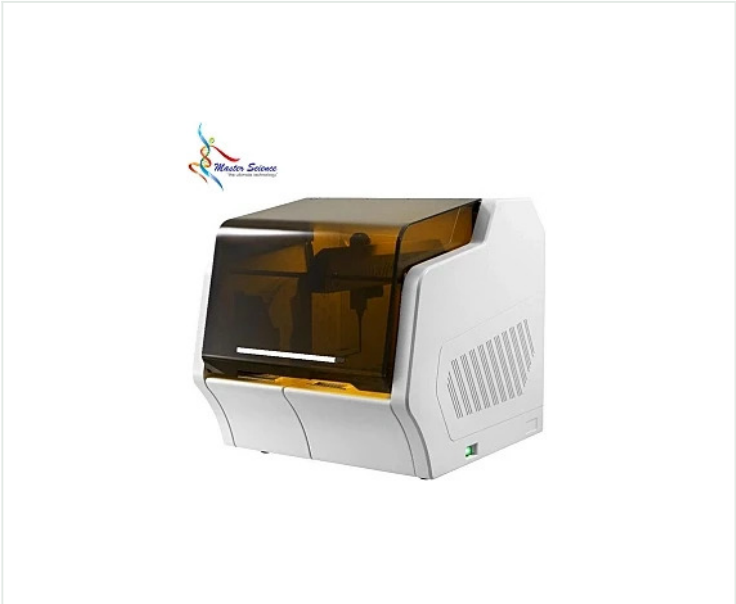
Fully Automatic Coagulation Analyzer, 200 Tests/h, 4 Channels, 35 Samples, Magnetic Bead

Model **MSBCA-A-4-20SWISS** | Brand **Master Science**







The Fully Automatic Coagulation Analyzer runs routine and special hemostasis tests at up to 200 tests per hour. It combines clotting (magnetic bead), immunoturbidimetric and chromogenic substrate methods, covering PT (INR), APTT, FIB and TT as well as D-dimer, FDP, AT-III, coagulation factors and other special assays.

KEY HIGHLIGHTS

- High Throughput
- Interference-Resistant Clotting
- Longer Reagent Life
- Full Test Menu

AT A GLANCE

1000	200 tests/h
MAGNETIC CUVETTE CAPACITY	TEST SPEED

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

support@themsci.com
www.themsci.com

Scan to view online

Overview

Automatic sample adding, pre-heating, cuvette feeding, a cuvette-grasping manipulator, cleaning and barcode identification work together on four test channels. The Fully Automatic Coagulation Analyzer holds 35 samples and 21 cooled reagent positions, loads up to 1000 magnetic cuvettes and connects to a LIS for two-way data exchange.

Pair the Fully Automatic Coagulation Analyzer with our Blood Gas Analyzer for a complete critical-care laboratory.

Busy hemostasis labs face the issues below. The Fully Automatic Coagulation Analyzer handles each one.

Key Benefits

High Throughput
Up to 200 tests per hour with automatic sampling and cuvette handling.

Interference-Resistant Clotting
The magnetic bead method avoids interference from jaundiced, hemolyzed and lipemic samples.

Longer Reagent Life
Inclined, cooled reagent positions and level-sensing sampling reduce reagent waste.

Full Test Menu
Routine four tests, D-dimer, FDP, factors and special items on one analyzer.

Technical Specifications

UNDEFINED	
Brand	Master Science
Model Number	MSBCA-A-4-20SWISS
SKU	MSBCA-A-4-20SWISS
Test Speed	200 tests/h
Test Methods	Clotting (magnetic bead), immunoturbidimetry, chromogenic substrate
Test Items	PT (INR), APTT, FIB, TT, D-dimer, FDP, AT-III, all factors, FM, APC-R, PC, PS, vWF, HEP, LMWH, AT, PLG, PAI, TAFI, Free-PS, AP, HNF/UFH
Test Channels	4
Sample Positions	35
Pre-Heating Channels	20
Reagent Positions	21 (20+1), with cooling
Probe / Sampling Arm	1 / 1
Washing Position	1
Cuvette, Reagent and Sample Loading	Drawer style
Magnetic Cuvette Capacity	**1000**
Auto Positioning	Yes
Integrated Sampling Pump	Yes
Inner Card Reading	Yes
Barcode Recognition	Yes
LED Lighting	Yes
Four-Direction Cooling	Yes
Low-Level Alarms	Cuvettes, reagents, detergent
LIS Connection	Yes, two-way
Dimensions	60 × 62 × 65 cm
Weight	110 kg

PROBLEMS THE FULLY AUTOMATIC COAGULATION ANALYZER SOLVES	
Manual pipetting limits throughput	Automatic sampling reaches 200 tests per hour.
Reagent waste from warm reagents	Cooled reagent positions extend reagent life.
Running out of cuvettes or reagent mid-run	Low-level alarms warn in advance.
Re-keying results	Two-way LIS communication sends results directly.

OPTICAL PERFORMANCE	
Lipemic or hemolyzed samples skew optical clot detection	The magnetic bead method avoids this interference.

Applications

Routine PT, APTT, FIB and TT testing

D-dimer and FDP testing for thrombosis assessment

- **Coagulation factor assays**
- **Anticoagulant therapy monitoring (INR, heparin, LMWH)**
- **Pre-operative hemostasis screening**

Automation

- Automatic sample adding with constant-temperature heating and liquid level sensing
- Pre-heating system with 20 channels
- Cuvette feeding and manipulator cup-grasping system
- Automatic cleaning system
- Barcode identification and inner card reading

Testing

- Four multi-method test channels
- Clotting, immunoturbidimetric and chromogenic methods
- Abnormal result alarm with automatic re-test
- Dual mode: automatic and manual sampling
- Multi-point calibration and QC management

Loading and Alarms

- Drawer-style cuvette, reagent and sample loading
- Interchangeable sample positions
- 1000 magnetic cuvettes on board
- Alarms for low cuvettes, reagent, detergent, waste overflow and cover open

Data

- Two-way LIS communication
- Open custom report mode

Standard Accessories Included

- Fully automatic coagulation analyzer main unit

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.