Automatic Clinical Chemistry Analyzer — Elevate Lab Efficiency: High-Precision Automatic Chemistry Analyzer MSCL311SWISS

Brand **Master Science**



Automatic Chemistry Analyzer

Automatic Clinical Chemistry Analyzer — Elevate Lab Efficiency: High-Precision Automatic Chemistry Analyzer MSCL311SWISS Introduction: Performance and Precision for the Modern Clinical LabThe MSCL311SWISS Auto-Chemistry Analyzer is a compact, benchtop system engineered for quantitative clinical chemistry analysis of human serum, plasma, urine, and other fluid samples.

KEY HIGHLIGHTS

- Analysis Methods
- Mixer
- Spectrophotometry
- Conclusion
- Additional Information

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

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Overview

Performance and Precision for the Modern Clinical Lab

Key Features

MSCL311SWISS

Analysis Methods
End-point, Fixed-time, Rate (Kinetic), and Turbidimetry

Mixer
Independent stirring probe for effective mixing

Spectrophotometry
Post-spectral analysis

Comprehensive Linear (K factor, 1/2/multi-point) and Non-Linear (Spline, Polygon, Logit-4P, Logit-5P)

Conclusion
Your Partner for Diagnostic Accuracy

The MSCL311SWISS Auto-Chemistry Analyzer provides the unwavering precision and operational efficiency your laboratory requires. Equip your facility with a system that reduces manual errors, minimizes reagent waste, and delivers rapid, reliable results—a smart investment for any forward-thinking lab equipment purchaser.

Additional Information
The MSCL311SWISS Auto-Chemistry Analyzer is a compact, benchtop system engineered for quantitative clinical chemistry analysis of human serum, plasma, urine, and other fluid samples. Designed specifically for laboratory research personnel and equipment purchasers, the MSCL311SWISS delivers a powerful combination of high throughput, superior measurement precision, and operational safety in a space-efficient design. Choose the MSCL311SWISS to achieve reliable, accurate results while optimizing your laboratory's workflow.

Technical Specifications

PARAMETER	SPECIFICATION
Test Throughput	200 tests per hour
Sample Capacity	37 sample positions
Reagent Capacity	28 refrigerated reagent positions with independent cooling switch
Sample Volume Range	Precise 2µl to 70µl
Reagent Volume Range	Accurate 20µl to 350µl
Reaction Cuvettes	48 reusable cuvettes with 6mm optical length and automatic washing
Reaction Temperature Control	37 ± 0.2℃ for maximum enzymatic accuracy
Light Source	Long-life 6V/10W halogen lamp
Absorbance Linearity	0 to 3.0Abs
Operating Software	Compatible with Windows 7/8/10 (32 or 64 bit)
Connectivity	Bi-directional LIS via HL7 protocol and LAN port access
Certification	CE, FDA, ISO9001, and ISO13485 certified
Emphasizing Precision and Reliability	
The MSCL311SWISS's robust engineering guarantees consistent, reliable performance for all your diagnostic and research needs.	
Wavelengths	Dedicated filters at 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, and 700nm
Quality Control (QC)	Real-time QC, Westgard multi-rule, Cumulative sum check, and Twin Plot (2D)

Standard Accessories Included

- Lab Pain Point: MSCL311SWISS Solution (Key Benefit)
- Workflow Bottlenecks & Turnaround Time (TAT): High Throughput and STAT Capability: Processing up to 200 tests per hour with a dedicated STAT function, the MSCL311SWISS drastically reduces sample backlog and accelerates critical result delivery.
- Reagent and Sample Wastage: Optimized Micro-Volume Handling: Precise sample volumes of 2µl to 70µl and reagent volumes of 20µl to 350µl ensure minimal consumption, significantly lowering operational costs without sacrificing accuracy.
- Carryover, Contamination, and Maintenance: Intelligent, High-Precision Probe System: Features a Teflon coating to prevent carryover, coupled with anti-collision and liquid level detection functions. The probe performs automatic internal and external washing, guaranteeing sample integrity and maximizing system uptime.
- Inaccurate Results due to Temperature Fluctuation: Rock-Solid Reaction Temperature Control: The reaction system maintains a precise temperature of 37 ± 0.2°C, eliminating thermal variability as a source of error and ensuring reaction kinetics are strictly controlled for highly quantitative results.
- Data Integrity and Regulatory Compliance: Advanced Quality Control (QC) and LIS Integration: Supports the Westgard multi-rule and various non-linear calibration curves (Spline, Logit-4P/5P). Bi-directional LIS connectivity via the HL7 protocol ensures seamless, compliant data management and reporting.