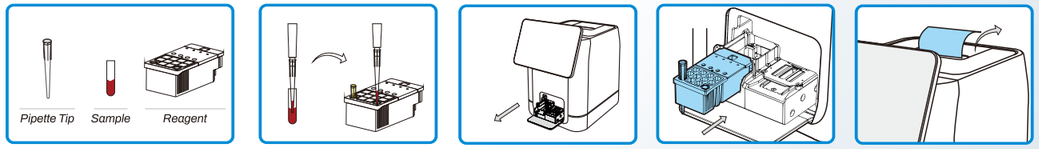
The test is exceptionally effortless to perform and takes only minutes.



Preparation

Adding sample into cartridge

Click "Test" to open the drawer

Load cartridge

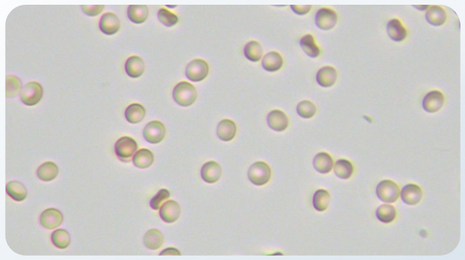
Read result

See What the Analyzer Sees

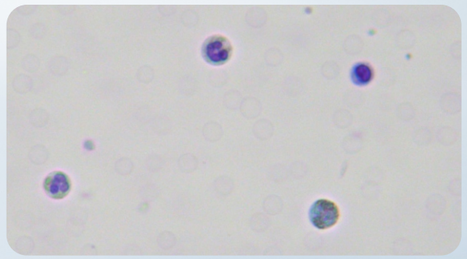
"Precision You Can Visualize".

The SA1 *captures high-resolution digital images during each analysis, enabling visual confirmation of cellular morphology. Thanks to its high-grade optical components and intelligent digital processing, the analyzer can scan and interpret dozens of fields per sample, ensuring high accuracy and full blood smear representation.*

- ***Real-time imaging of RBCs, WBCs, PLTs.***
- ***Morphological anomaly detection (e.g. NRBCs, aggregates, Retics…).***



RBCs



WBCs

Why it matters: NRBCs and Reticulocytes help identify regenerative anemias. Platelet aggregates can impact true PLT counts. Atypical lymphocytes may signal infection or neoplasia…
Use same structure with the other parameters.

- ***On-screen and cloud-accessible image review.***
- ***Greater diagnostic confidence at a glance.***

Seamaty Diagnostic Technology (Chengdu) Co., Ltd.

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seamaty

SA1
AI Morphology Analyzer

Advanced AI Powered CBC analysis



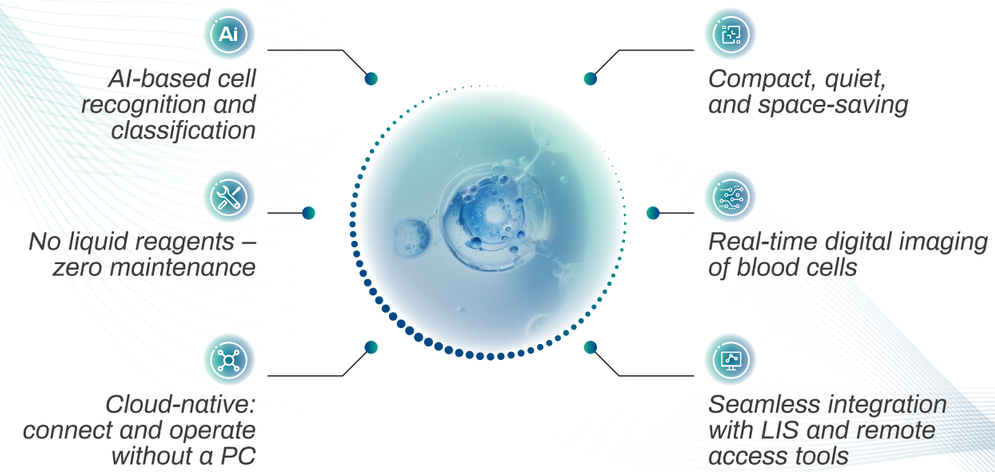
www.seamaty.com

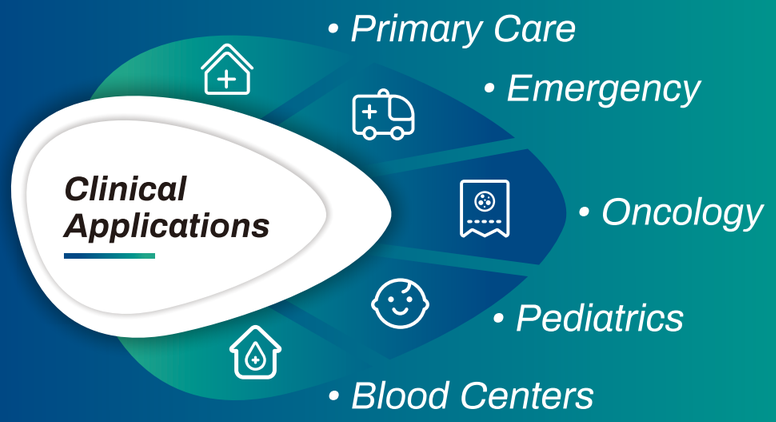


SA1 AI Morphology Analyzer

Seamaty SA1 is a portable point-of-care hematology analyzer designed for quick and accurate lab-grade Complete Blood Counts (CBCs) with 5-part differential analysis. It delivers results in minutes using just a small blood sample, thanks to its innovative cartridge-based system and AI-powered imaging technology. This combination ensures ease of operation, minimal maintenance requirements, and reliable performance, making it ideal for clinics, pediatric settings, primary care etc.

Key Features at a Glance





Measured Parameters

Category	Parameters
White Blood Cells	WBC, Neu#, Lym#, Mon#, Eos#, Bas#, Neu%, Lym%, Mon%, Eos%, Bas%
Red Blood Cells	RBC, Reti#, Reti%, NRBC#, NRBC%, Hb, MCV, HCT, RDW-CV, RDW-SD, MCH, MCHC
Platelets	PLT, MPV, PCT, PDW, P-LCC, P-LCR

Technical Specifications

Test Samples	Whole blood	**Specimen Volume**	100µl (standard) / 20µl (trace)
Barcode Reading	QR code automatic reading	**Power Supply**	Input: AC220V, 50Hz
Method of Analysis	Staining, colorimetry, etc.	**Memory Space**	Max. 500,000 customer records
Operating Environment	Temperature: 10-30°C; humidity: ≤85%	**Test Principle**	Formed element analysis technology
Data Interface	4 USB interfaces; 1 network Interface	**Dimensions**	275 (L) × 235 (W) × 289 (H) (excluding rotating display screen)
Printer	Built-in thermal printer	**Weight**	8.3Kg
Operation Interface	Android, 9-inch 1024×600 multi-touch capacitive screen, multi-language support		