CE

AI-Powered CBC and digital morphology:
"Precision diagnostics, closer to the patient"

miLab™
Cartridge

BCM

Blood Count & Morphology

Faster review. Clearer flags. More confident decisions.
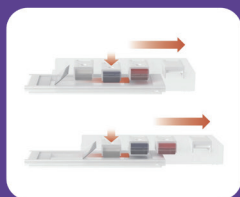

noul

miLab™
Cartridge
BCM

End-to-end CBC + morphology:
Automated smear, stain,
imaging & AI - results in ~20 min (avg.)

01
Sample Loading

02
Smear, Fix, Stain
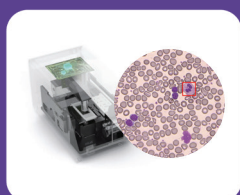
03
Digital Optical
imaging

04
Embedded AI
Analysis

05
Result on Screen

Slide Preparation

⌄

AI Analysis

⌄

Diagnostics

Automated

Smear method	Automated wedge smear
Staining method	Romanowsky
Sample type	Venous Blood
Sample volume	5µl

On-device AI

Focusing	Multi-focus images acquired (5 z-stack layers)
Imaging	40 x magnification Automatically detects and captures 200 WBCs

Analysis Parameters

CBC	- WBC Count - RBC Count/HGB/HCT - Platelet Count - MCV/MCH/MCHC - RDW-CV
Morphology	WBC 5-Differential - Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils Immature Granulocytes - includes Myelocytes, Metamyelocytes, Promyelocytes
Flag	Blast - includes Myeloblasts, Monoblasts, Lymphoblasts Atypical (Reactive) / Abnormal Lymphocytes *RUO: nRBC, PLT Clumping, Smudge Cells

Convenient

Viewing Functions (miLab and miLab Viewer)	- User Result Confirmation - Cell View (Cell differential, Cell Category Modification) - Field View - Cell Reclassification (Available from miLab Viewer) - Report (Available from miLab Viewer in PDF and Print-Out) - Cell Image download

From 5 µL venous blood,
***miLab™ Cartridge BCM** delivers CBC + digital morphology in ~20 minutes (avg.).*

POINT-OF-CARE HEMATOLOGY, REIMAGINED

• CBC + WBC differential + digital morphology in one workflow.

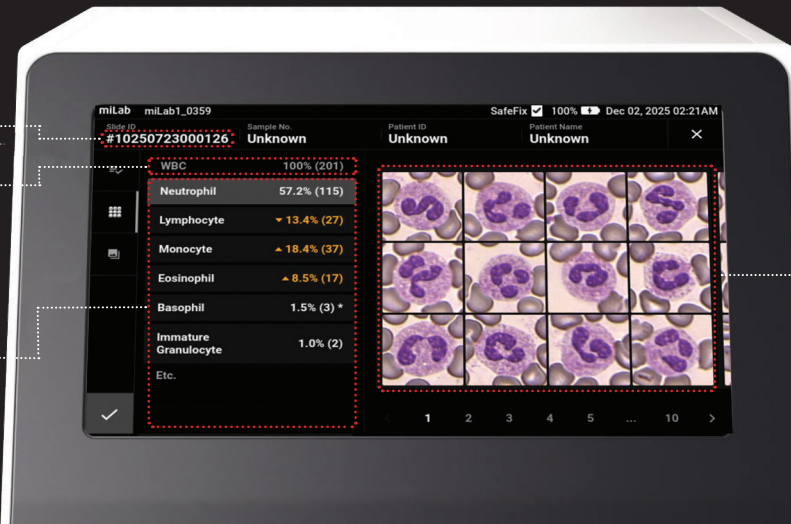**AI-based digital microscopy** with reviewer-ready images.

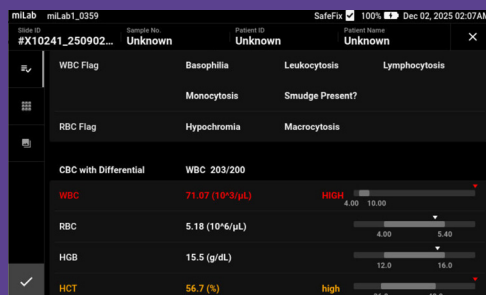## 1 | Result Screen

Slide ID
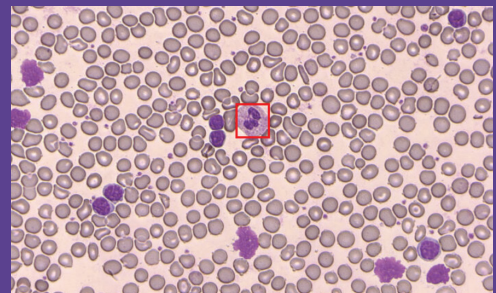
Category

Readout Parameters

Cell Morphology

miLab   miLab1_0359   SafeFix ☑ 100% 🔋 Dec 02, 2025 02:21AM

Slide ID	Sample No.	Patient ID	Patient Name	
#10250723000126	Unknown	Unknown	Unknown	✕

WBC	100% (201)
Neutrophil	57.2% (115)
Lymphocyte	▼ 13.4% (27)
Monocyte	▲ 18.4% (37)
Eosinophil	▲ 8.5% (17)
Basophil	1.5% (3) *
Immature Granulocyte	1.0% (2)
Etc.	

1   2   3   4   5   ...   10   ❯

2 | CBC & Flag

miLab   miLab1_0359   SafeFix ☑ 100% 🔋 Dec 02, 2025 02:07AM

Slide ID	Sample No.	Patient ID	Patient Name	
#X10241_250902...	Unknown	Unknown	Unknown	✕

WBC Flag	Basophilia	Leukocytosis	Lymphocytosis
	Monocytosis	Smudge Present?	
RBC Flag	Hypochromia	Macrocytosis	

CBC with Differential   WBC 203/200

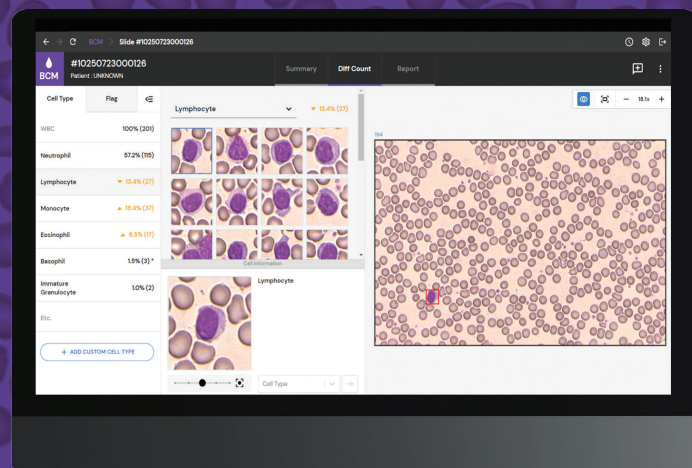| WBC | 71.07 (10^3/µL) | HIGH | 4.00 10.00 |
RBC	5.18 (10^6/µL)		4.00 5.40
HGB	15.5 (g/dL)		12.0 16.0
HCT	56.7 (%)	high	36.0 48.0

3 | Field Image

4 | miLab™ Viewer Validation

miLab™ Cartridge

BCM

Blood Count & Morphology

miLab™ Cartridge BCM - Faster review. Clearer flags. More confident decisions.

- ✓ **Beyond :** One cartridge, one workflow—automated smear prep, staining, imaging, and analysis to reduce manual steps and variability.

- ✓ **Comprehensive :** CBC plus digital morphology—AI pre-classification, flagging, and cell images to support faster interpretation and consistent review.

- ✓ **Minimized :** Reliable analysis from 5 µL venous blood in a lightweight design, bringing standardized morphology closer to the patient.

Ordering Information

Product	Code
miLab™ Platform	DMLA
miLab™ Cartridge BCM	CBCA
SafeFix™	CSFA

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