



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

miLab™ BCM

Cartridge

Blood Count & Morphology

Faster review. Clearer flags. More confident decisions.



noul

miLab™ Cartridge BCM

Are you still relying on manual smears and finding your process...

Burdened by manual steps?

Complex or inconsistent in review?

Marginalized by bulky equipment?

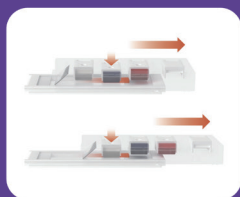
End-to-end CBC + morphology:

Automated smear, stain,
imaging & AI - results in ~20 min (avg.)



01

Sample Loading



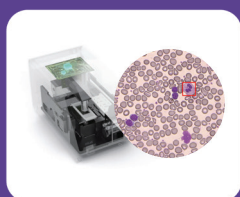
02

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	5 µl

On-device AI

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

Analysis Parameters

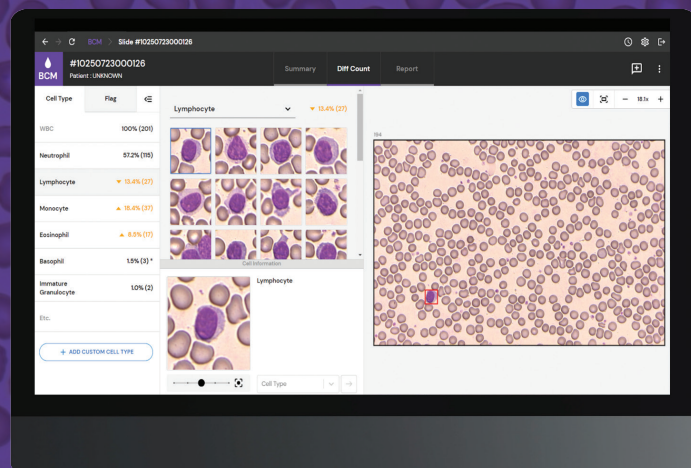
CBC	- WBC Count - RBC Count/HGB/HCT - Platelet Count - MCV/MCH/MCHC - RDW-CV
Morphology	5-Part WBC Differential - Neutrophils, Lymphocytes, Monocytes, Eosinophils, Basophils Immature Granulocytes - includes Myelocytes, Metamyelocytes, Promyelocytes
Flag	Blasts - includes Myeloblasts, Monoblasts, Lymphoblasts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

Convenient

Viewing Functions (miLab and miLab Viewer)	- Result Review and Confirmation - Cell View (Cell differential, Cell Category Modification) - Field View - Available in miLab Viewer (cell reclassification, Report) - Report (Available in miLab Viewer in PDF Export and Printout) - Cell Image Download
---	---

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

AI-based digital microscopy with reviewer-ready images.



miLab™ Cartridge

BCM

Blood Count & Morphology



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

- ✓ **Beyond** : One cartridge, one workflow—automated smear preparation, 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

noul

Contact
noul Team

Global Headquarters

noul Co., Ltd.

Email: marketing@noul.com

Phone: +82 31 893 6311

Website: noul.com



Disclaimer: This leaflet provides general information about noul Co., Ltd.'s products and is not intended as legal or regulatory advice. All product names and technologies mentioned are applicable only for approved uses per respective regulations. No warranty is provided for unapproved uses. Users are responsible for ensuring compliance with local regulatory requirements, and noul Co., Ltd. disclaims any liability arising from the misuse of or unauthorized reliance on the information provided.