



Blood Morphology Elevated by Full-Field™ Digitization

Enabling over 50% reduction in turnaround times

The Scopio Full-Field Peripheral Blood Smear Application removes the inefficiencies of manual microscopy workflows with a complete digital, AI-powered workflow. Experts can now review, consult, and sign-off from anywhere, accelerating turnaround regardless of location. Scopio captures all clinically relevant areas of the slide at 100x resolution, including the feathered edge, so every cell is digitally reviewed in full context.



Dynamic, Full-Field Digital Review

End the dependency on manual microscopy workflows with a continuous, navigable digital view at 100x resolution across all clinically relevant areas of the slide, including the feathered edge. Zoom in to individual cell detail, pan out for full sample context, and explore the feathered edge for platelet clumps without the visual fragmentation of microscopy or siloed cell snapshots.

Eliminate the need to
revert to the manual
microscope



AI-Powered Analysis

Automated and standardized WBC detection and pre-classification into 14 cell classes. RBC morphology across 23 parameters from over 10,000 cells. Platelet estimation with platelet clump detection across the scan area and feathered edge. Experts verify every result to maintain full diagnostic authority.

Reduce the burden
and cognitive
fatigue of manual
differentials



One Connected Workflow

Browser-based remote review removes physical barriers, and bi-directional LIS integration connects your peripheral blood smear workflow to your broader laboratory ecosystem. Full traceability of every classification and review action keeps cases documented and auditable. Intuitive by design, with minimal training needed to get started.

Shorten turnaround
times with review and
consultation that aren't
tied to the lab

Up to
60 %
improvement in
workflow efficiency¹

Up to
59 %
reduction in
turnaround time²

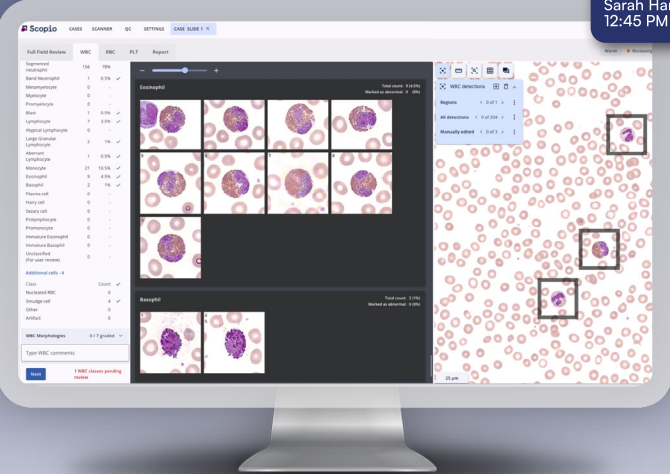
50 %
reduction in review time
for complex cases³



Is this an eosinophil?
James Wilson 09 Apr,
12:44 PM



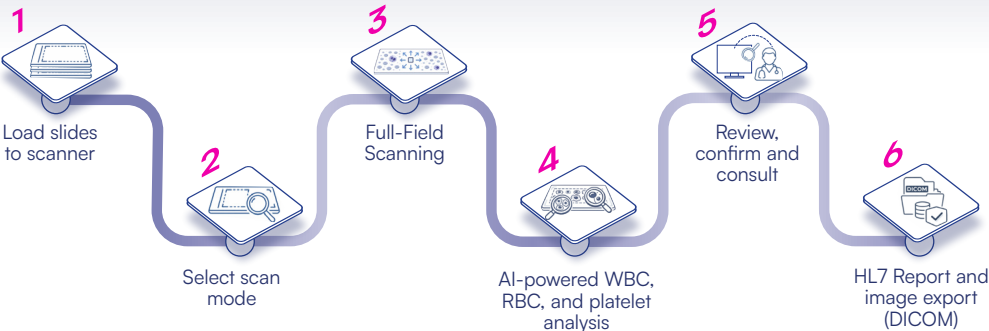
Yes.
Sarah Harris 09 Apr,
12:45 PM



"The Scopio system has enabled our hematologists to work fully remotely around the world in real-time. It has accelerated diagnosis and treatment and thus improved the quality of our patient care."

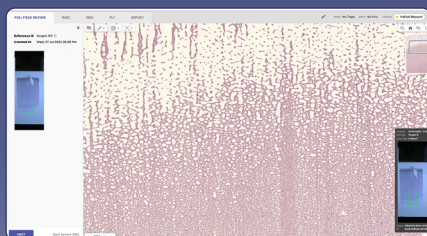
- Joyce Richardson,
Deputy Head Biomedical
Scientist, ZLM, Switzerland

The Workflow

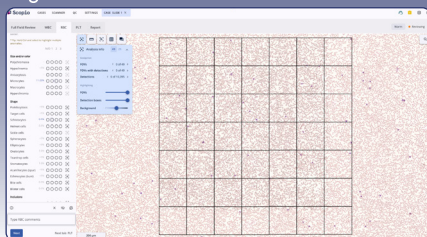


Key Features

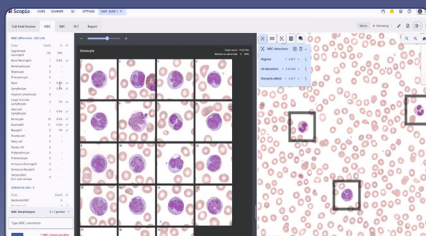
- ✓ **Full-Field scan:** Review all clinically relevant areas at 100x resolution - from monolayer to feathered edge. Multiple scan modes available.
- ✓ **WBC detection and pre-classification:** Automated pre-classification into 14 cell classes, supporting a 200-cell differential.
- ✓ **RBC morphology analysis:** 23 morphological parameters pre-graded from over 10,000 red blood cells within the monolayer.*
- ✓ **Platelet estimation with clump detection:** Automated estimation from 10 fields of view, with clump detection across the scan area and feathered edge.
- ✓ **Remote review and collaboration:** Browser-based access from anywhere on the secure network. No dedicated software required.*
- ✓ **Annotation tools:** Annotate clinically significant cells and areas for second opinion or inclusion in the final report.
- ✓ **Intuitive cell reclassification:** Reassign cells between categories with a click or drag-and-drop, including bulk actions.
- ✓ **Color compatibility:** A broad range of color configurations supporting diverse staining protocols.
- ✓ **DICOM image export:** Native export to image management systems for long-term archiving and integration with existing infrastructure.
- ✓ **Reporting and LIS integration:** Standardized reports with cell images, annotations, and full traceability of all user actions - via bi-directional HL7.



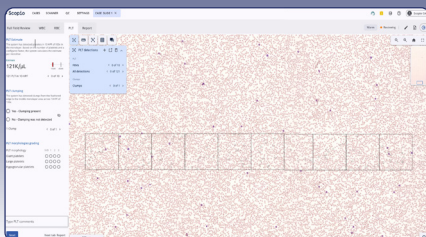
Navigate from monolayer to feathered edge at 100x



Quantitative RBC morphology from over 10,000 cells



Review and verify AI pre-classified WBCs



Automated platelet estimation with clump detection

Platform Technical Specifications



ScioPilot X100



ScioPilot X100HT

Throughput	3-slide tray, up to 15 slides/h		30-slide capacity (3 cassettes x 10 slides), up to 40 slides/h	
Slide preparation	Manual oil drop and coverslip		Automated oil drop and coverslip	
Scan modes	Full-Field (default), Rapid Monolayer, Monolayer, Edge to Edge			
Stains	All Romanowsky stains			
Barcode	Data matrix, Code 128, Code 39, EAN-8, EAN-13, QR Code			
Storage capacity	2TB (up to 1,500 scans, 15,000 reports)		8TB (up to 4,500 scans, 45,000 reports)	
	X100 Scanner	X100 Processing Unit	X100HT Scanner	X100HT Processing Unit
Platform size (DxWxH)	14.2 × 12.6 × 14.7 in; 36.2 × 32 × 37.5 cm	12.56 × 6.77 × 14.09 in; 31.9 × 17.2 × 35.8 cm	15.4 × 16.6 × 25.5 in; 39 × 42 × 65 cm	20.7 × 9.1 × 19.9 in; 52.7 × 23.2 × 50.6 cm
Platform weight	29.7 lbs / 13.5 kg	18.3 lbs / 8.3 kg	65.7 lbs / 29.8 kg	37.5 lbs / 17 kg

Take your morphology workflow fully digital.

Scan the QR code or visit scopiolabs.com/demo to schedule a meeting.



marketing@scopiolabs.com



*Scpio's Full-Field Peripheral Blood Smear Application is CE-marked and FDA-cleared. Commercially available across the U.S., UK, Europe, and other territories.

*Remote review available via the secure hospital network.

*The availability of the RBC AI-powered analysis capability may vary by region.

Sources:

¹ Katz B-Z, et al. Int J Lab Hematol. 2021;00:1-9.

² Barkan R, et al. Appl Clin Inform. 2022;13(5):1093-1100.

³ Customer-reported implementation data, ZLM, Switzerland.