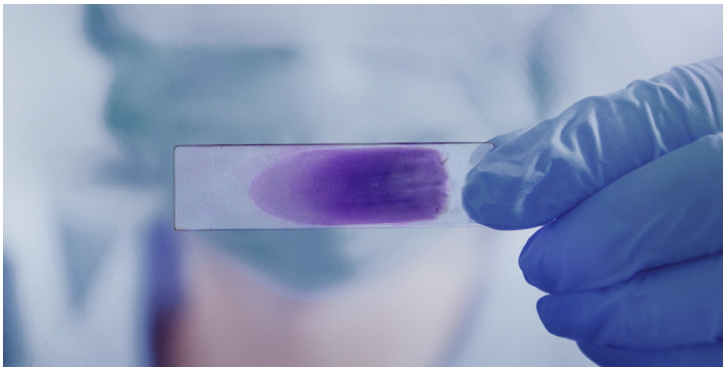
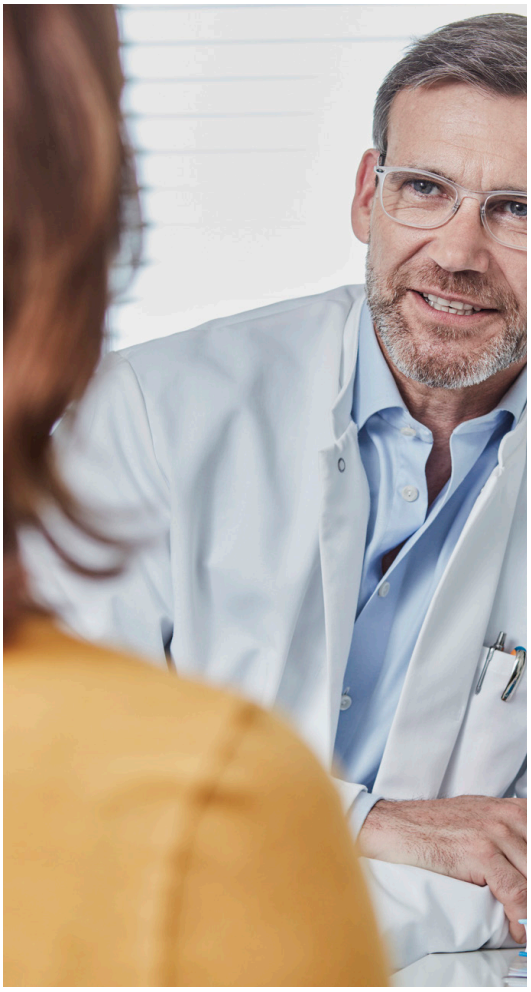
Scopio



Digital Full-Field Morphology
Impact Beyond the Lab



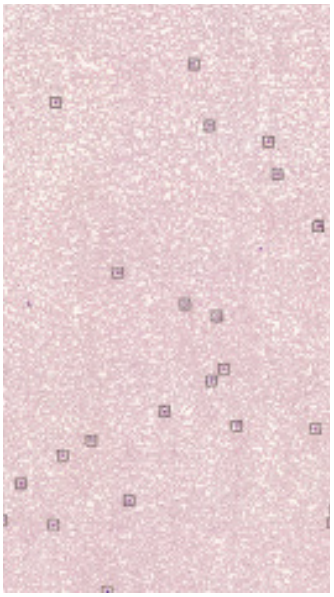
The process of reviewing peripheral blood smears has fundamentally remained the same since a scientist first examined blood under a microscope. Abnormal and critical samples call for a qualified expert to review samples using a high-powered microscope.

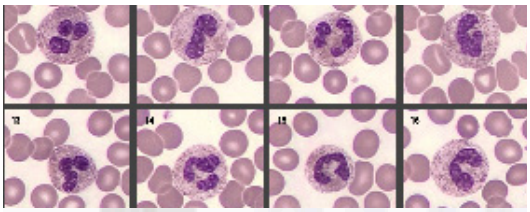
Manual microscopy requires a significant investment of time and training to obtain an accurate result. It leaves an opportunity for subjective or inconsistent results. These challenges are costly to a lab's hematology workflow and physicians' ability to diagnose and treat patients quickly and efficiently.

Scopio Labs is bringing hematology into the digital era through its transformative digital workflow tools and diagnostic applications, accelerating the review process, improving capacity, and ultimately enabling earlier detection, diagnosis, and improved patient care.

100X Digital End to End Morphology Solution

The Full-Field Peripheral Blood Smear (FF-PBS) Application on Scopio's X100 full-field imaging platform is an end to end digital cell morphology solution for PBS analysis. It features adaptive monolayer identification, supporting both short and long smears, WBC detection of 200 cells and pre-classification into 16 classes, red blood cell (RBC) morphology evaluation from 1000 Fields of View (FOVs), and automated platelet detection and pre-estimation from 10 FOVs.





Transform the way you work

Scopio Labs' Full-Field Peripheral Blood Smear (FF-PBS) Application is FDA cleared and CE marked. It has been deployed globally in both clinical operational and research settings and has clearly demonstrated consistency, efficiency and enhanced quality of the PBS review process.

The FF-PBS Application yields a more efficient lab workflow by reducing turnaround time for traditional manual reviews by at least 60%

Empower

Beyond operational efficiencies, a review can take place without the physical sample in hand and a microscope on site. Remote reviews can occur in real-time, from any device, requiring just a standard browser. Team members can review a full-field area of interest, pan, zoom, and explore hematology cases at 100X resolution. In addition, team members can augment cases with custom measurement tools, comments, and conclusions. Scopio's workflow tools allow for every interpretation of a case to be digitally documented and tracked in a standard report that is easily shared across the continuum of care.

Consistency

No longer prone to intra- or inter- reviewer variability, Scopio's AI-powered Decision Support brings greater standardization and confidence to cases, regardless of who conducts the review or where the sample is collected. The results from the advanced clinical-grade AI are consistent, repeatable, traceable, and always human affirmed.

Collaboration

Consultation and diagnosis can happen anytime from anywhere, with insights, interpretation, and annotation captured at every step. This allows technologists, pathologists, and care team members to share what they see with others anytime, with pinpoint accuracy down to an individual cell.

Teaching

A shared digital environment makes transferring knowledge and expertise more efficient than ever before, creating new and better educational and training opportunities for tomorrow's practitioners. With full-field 100X resolution digital images on screen, the full-context of the sample, as well as every cell, can be explored in detail, compared, and discussed. Digital images can be used to build case studies and reference materials.

Outcomes

In hematology, confident decisions at digital speed have a direct impact on patient welfare. Real-time, synchronous collaboration, AI-supported decision-making, fully documented annotations, and repeatable results - every aspect of the hematology workflow contributes to better patient outcomes, clinical rigor, and quality of care.

Experience Scopio Labs now

For more information or to schedule a demo
hematology@scopiolabs.com

Scopio