



Full-Field Peripheral Blood Smear™ Application

Trusted hematology standards, enhanced by digital efficiency

For decades, well-trained and highly experienced morphology experts have manually reviewed blood samples under a microscope, a labor-intensive and time-consuming process, to count cells and assess blood cell abnormalities. Discover the future of digital cell morphology with Scopio Labs' innovative platform,

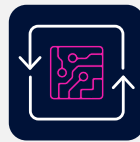
offering a comprehensive solution for Peripheral Blood Smear analysis. This application utilizes Scopio's advanced scanning capabilities to equip the hematology laboratory with an end-to-end solution designed to accelerate review, increase the lab's efficiency*, and enable the earlier initiation of treatment with greater confidence.



Full-Field digital scan assessment

Dynamic Scan Image providing enhanced assessment quality and added context for comprehensive analysis.

- Leverage Scopio's Full-Field Technology and review all the clinically relevant areas of the sample, including the monolayer and the feathered edge, at 100x oil immersion resolution.
- Zoom in and out, pan around and explore the sample to get both a view of individual cells and the full context.



AI powered Analysis Workflow

State-of-the-art AI DSS algorithms tailored for efficient and comprehensive sample analysis, ensuring thorough examination.**

- Adaptive Monolayer Detection algorithm, designed to identify the clinically relevant area and adapt for optimal review.
- White Blood Cells DSS for detection and pre-classification into 14 classes.
- The Red Blood Cells DSS analyzes over 10,000 cells across 1,000 fields of view (FOV) and pre-grades 22 RBC morphological parameters.
- Detection of platelets and pre-estimation from 10 fields of view, including the identification of platelet clumps throughout the scan area and the feathered edge.



Remote review and consultation

Advanced digital platform promoting collaboration and sharing throughout the secure hospital network.

- Browser-based application designed to facilitates review, collaboration, and consultation.
- Comprehensive case report including images and cell annotations.
- Review from anywhere, at any time, to accelerate the analysis and diagnostic process.

Scpio Digital Cell Morphology platform

Scpio Labs' digital cell morphology platform, featuring its cutting-edge Full-Field technology, is tailored to accommodate the varied requirements of hematology laboratories. With our diverse scanners, it is designed to meet the needs of both low and high throughput environments, ensuring smooth integration into secure hospital networks and reducing dependence on manual microscopy.



Scpio X100



Scpio X100HT

Technical specifications

Throughput	3-slide tray Up to 15 slides/h for 200 WBC differential		30 slide capacity (3 cassettes * 10 slides) Up to 40 slides/h for 200 WBC differential	
Slide Preparation	Manual oil drop and coverslip		Automated oil drop and coverslip	
Barcode <small>*Slides with no barcodes are also supported by the X100 and the X100HT</small>	Data matrix Code 128, Code 39, EAN-8, EAN-13, QR Code		Data matrix Code 128, Code 39, EAN-8, EAN-13, QR Code	
Stains	All Romanowsky stains		All Romanowsky stains	
Storage Capacity	Up to 1,500 scanned samples Up to 15k reports with cell images Up to 100 cases stored indefinitely Total storage: 2TB		Up to 4,500 scanned samples Up to 45k reports with cell images Up to 200 cases stored indefinitely Total Storage: 8TB	
	X100 Scanner	X100 Processing Unit	X100HT Scanner	X100HT Processing Unit
Platform Size <small>(WxDxH)</small>	14.2 x 12.6 x 14.7 in 36.2 x 32 x 37.5 cm	12.56 x 6.77 x 14.09 in 31.9 x 17.2 x 35.8 cm	16.6 x 15.4 x 25.2 in 42 x 39 x 64 cm	18.2 x 8.6 x 19.1 in 46.3 x 22 x 48.6 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
Electrical Specification	12VDC, 6.67A	100-240VAC, 47-63Hz, 10-5A	12V DC, 6.67 A	100-240VAC, 50-60Hz, 20-10A

About Scpio Labs

Scpio Labs is transforming cell morphology analysis with its technology platform, featuring a suite of fully digital applications. This innovative combination of high-resolution, full-field imaging and an AI-powered decision support system assists laboratory professionals in rapid, accurate, and early detection, enhancing patient care and facilitating informed treatment plans. Addressing the traditional trade-off between field-of-view and resolution, Scpio allows for the assessment and analysis of cell morphology at an unmatched scale and depth, improving efficiency throughout the patient care continuum.

Scpio Labs' Full-Field Peripheral Blood Smear application is CE and FDA-cleared, and its commercially available across the U.S., UK and Europe and other territories. The availability of the RBC-DSS capability may vary by region.



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