

Hematology

Digital Morphology of Blood cells

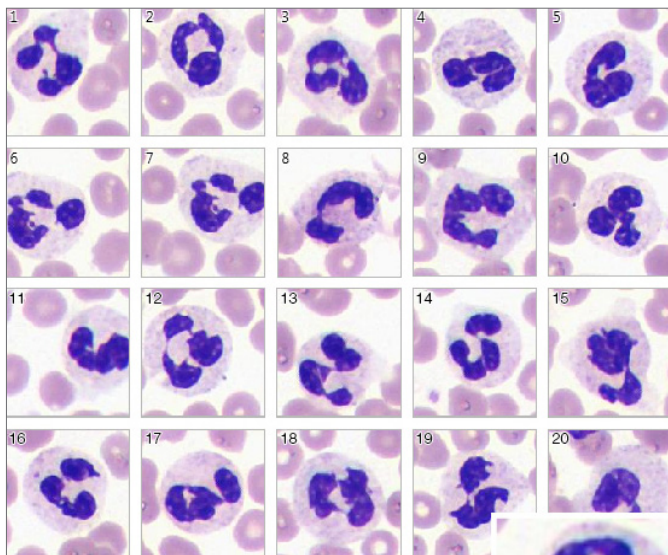


Clinical Application Module

Vision Hema

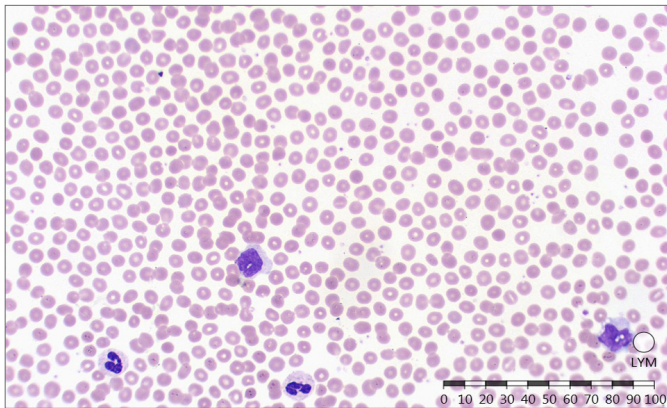
The screenshot displays the Vision Hema software interface. At the top is a toolbar with icons for Folder, Patient, Sample, Scanner, Blood Analyzer, Report, Barcode, Panels, Samples Filter, Refresh, and Completed. Below the toolbar is a 'Main' window with a 'Samples' list on the left and a 'Results' table in the center. The 'Results' table shows counts and percentages for various cell types. To the right of the table are several microscopic images of blood cells, including a large, detailed view of a segmented neutrophil.

ID	Status	Sam	Last Change	Cell Type	Count	%
5062	Scanned	CBC	24.09.2019 16:48	Leukocytes	98	100
5061	Scanned	CBC	24.09.2019 16:47	Basophils	-	-
5060	Scanned	CBC	24.09.2019 16:47	Eosinophils	-	-
5059	Scanned	CBC	24.09.2019 16:45	Promyelocytes	-	-
5058	Scanned	CBC	24.09.2019 16:44	Myelocytes	-	-
5057	Scanned	CBC	24.09.2019 16:43	Metamyelocytes	-	-
5056	Scanned	CBC	24.09.2019 16:43	Band neutrophils	-	-
5055	Scanned	CBC	24.09.2019 16:44	Segmented neutrophils	83	84,7
5054	Scanned	CBC	24.09.2019 16:42	Lymphocytes	9	9,2
5053	Scanned	CBC	24.09.2019 16:41	Monocytes	6	6,1
5052	Scanned	CBC	24.09.2019 16:40	Plasma cells	-	-
5051	Scanned	CBC	24.09.2019 16:43	Reactive lymphocytes	-	-
5050	Scanned	CBC	24.09.2019 16:39	Large granular lymphocytes	-	-
5049	Scanned	CBC	24.09.2019 16:38	Prolymphocytes	-	-
5048	Scanned	CBC	24.09.2019 16:37	Atypical lymphocytes	-	-
5047	Scanned	CBC	24.09.2019 16:45	Blasts	-	-
5046	Scanned	CBC	24.09.2019 16:36	Sezary cells	-	-
5045	Scanned	CBC	24.09.2019 16:35	Hairy cells	-	-
5044	Scanned	CBC	24.09.2019 16:34	Unknown	-	-
5043	Scanned	CBC	24.09.2019 16:34	Non-WBC	-	-
5042	Scanned	CBC	24.09.2019 16:35	Artefacts	3	3,1
5041	Scanned	CBC	24.09.2019 16:33	Smudge cells	4	4,1
5040	Scanned	CBC	24.09.2019 16:32	Erythroblasts (NRBC)	-	-
5039	Scanned	CBC	24.09.2019 16:31	Giant platelets	-	-
5038	Scanned	CBC	24.09.2019 16:32	Platelets aggregations	-	-
5037	Scanned	CBC	24.09.2019 16:30	Megakaryocytes	-	-
5036	Scanned	CBC	24.09.2019 16:29			
Total: 4874						



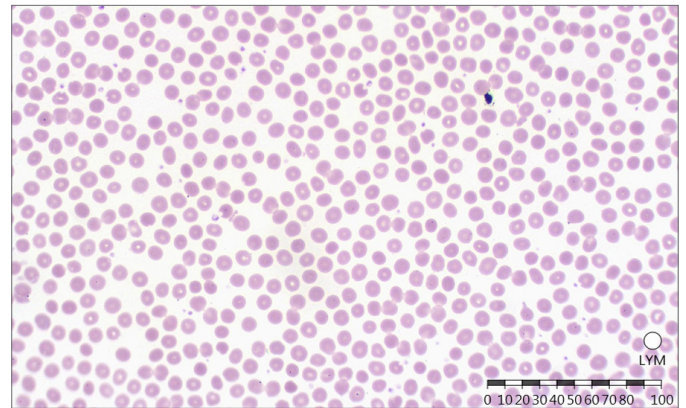
Identification and pre-classification of leucocytes

- Basophils
- Eosinophils
- Promyelocytes
- Myelocytes
- Metamyelocytes
- Band neutrophils
- Segmented neutrophils
- Lymphocytes
- Monocytes
- Reactive lymphocytes
- Blasts
- Erythroblasts



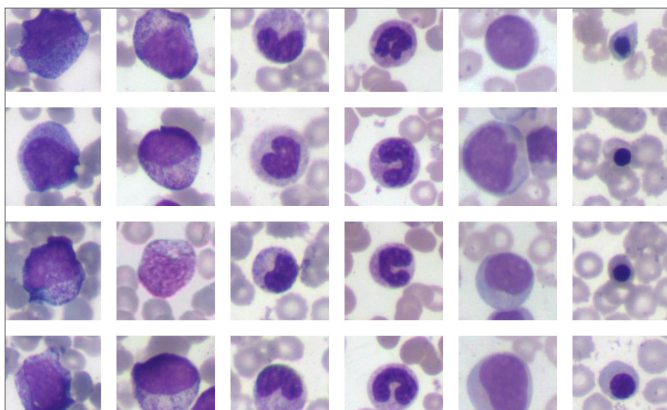
Analysis of erythrocytes

- Size
- Color
- Shape
- Inclusions



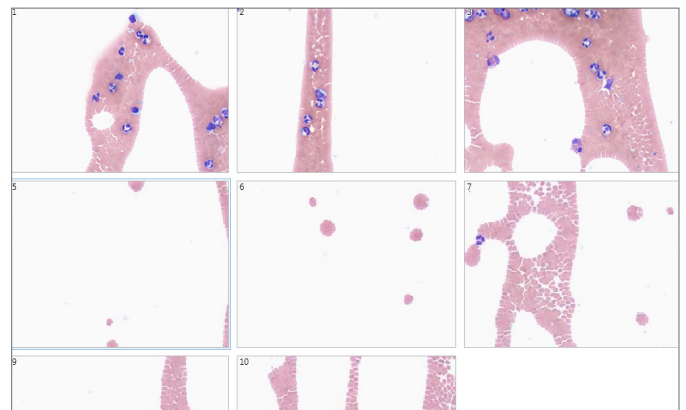
Analysis of platelets

- Normal
- Micro
- Macro



Analysis of pathological and complex cells

- Cells with degenerative changes
- Immature forms of neutrophils
- Atypical forms of lymphocytes
- Blasts
- Erythroblasts, smudge cells and other non-WBC cells

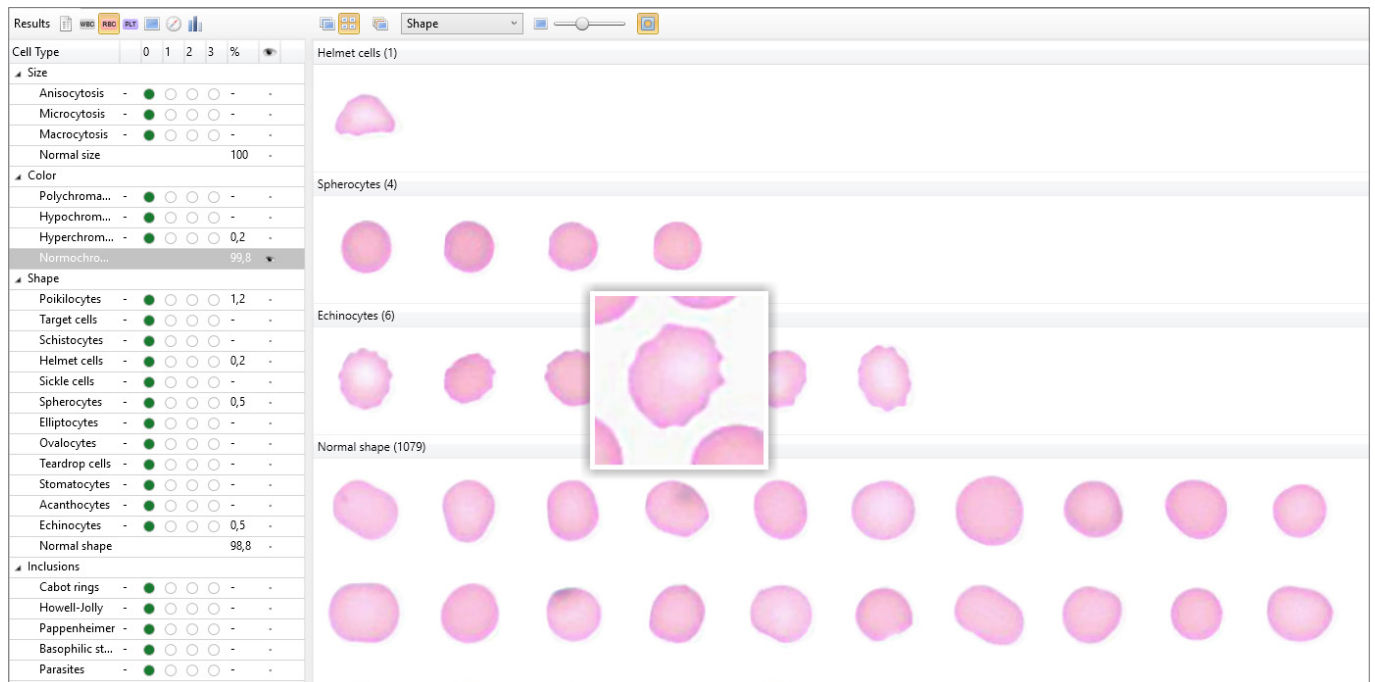


Scanning of blood smear tail

- Additional assessment of atypical forms of leukocytes
- Assessment of platelet aggregations

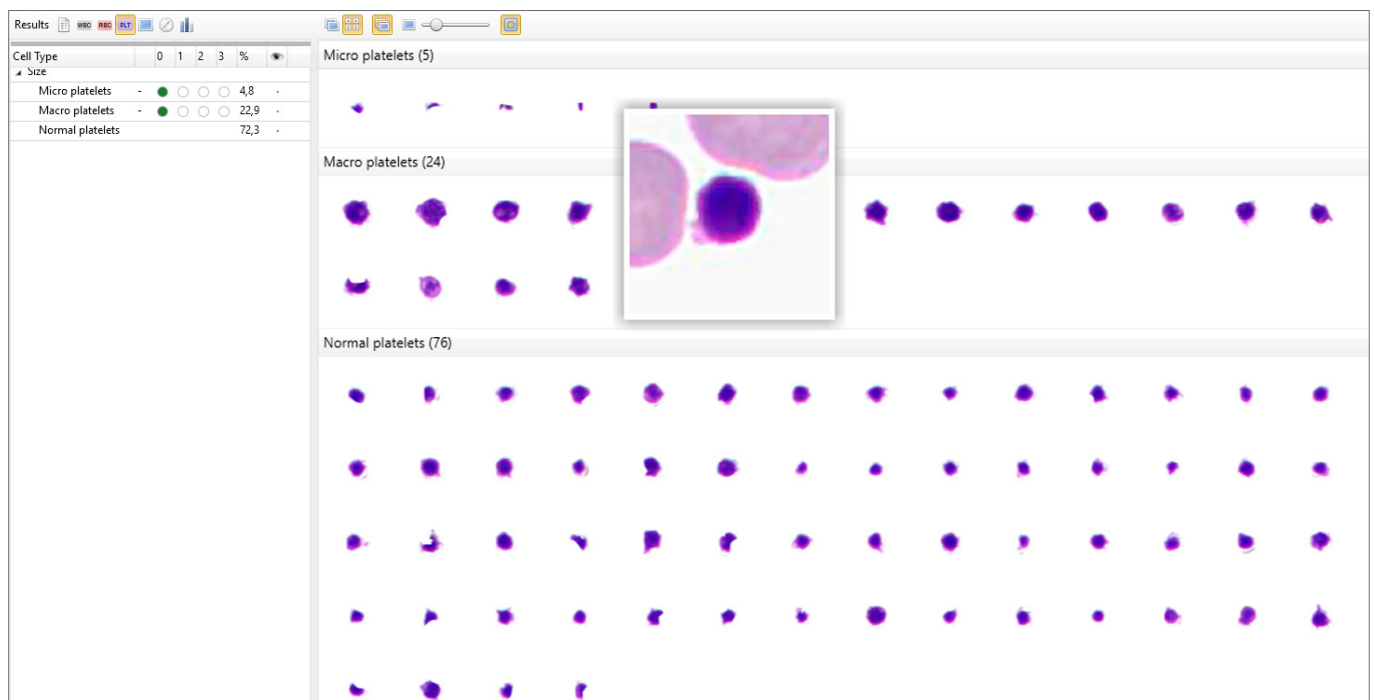
Additional modules

Vision Extended RBC



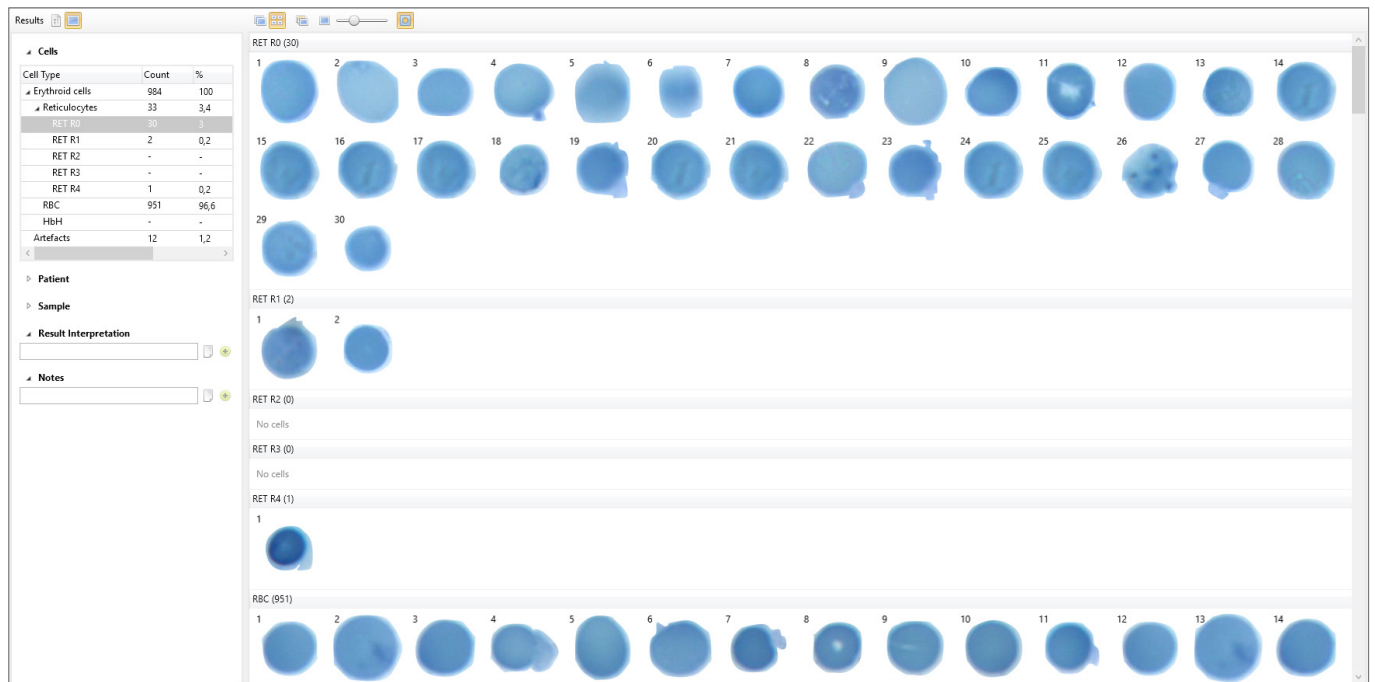
Automatic identification of erythrocytes by size, color, forms and inclusions. Pre-classification of erythrocytes by 21 parameters. Detailed information of every erythrocyte.

Vision Extended PLT



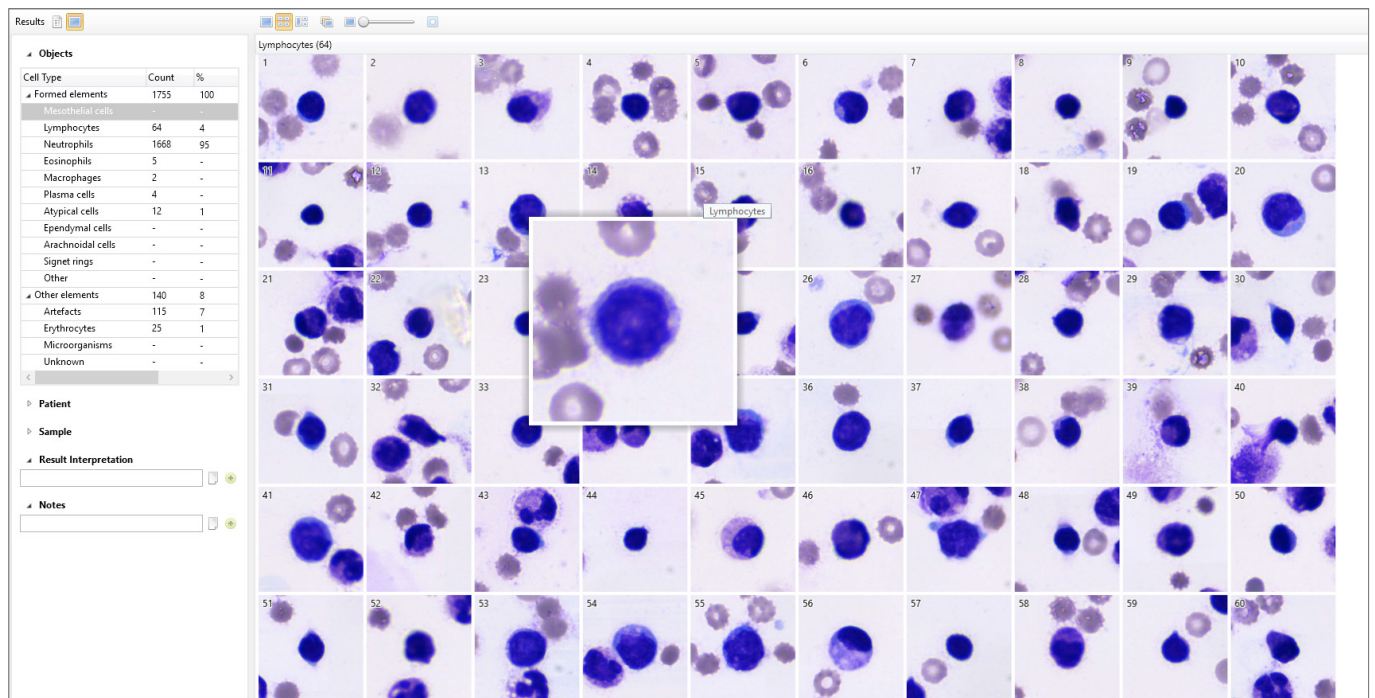
Automatic identification and pre-classification of platelets by 3 parameters: micro, macro, normal. Detailed information of every platelet.

Vision RET



Automatic identification and pre-classification of reticulocytes by classes.

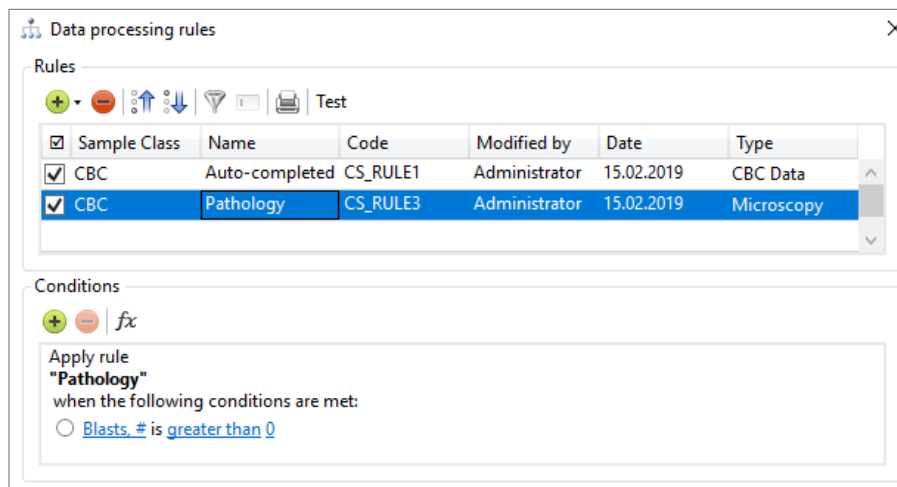
Vision Body Fluids



Automatic identification and pre-classification of cells in human body fluids.

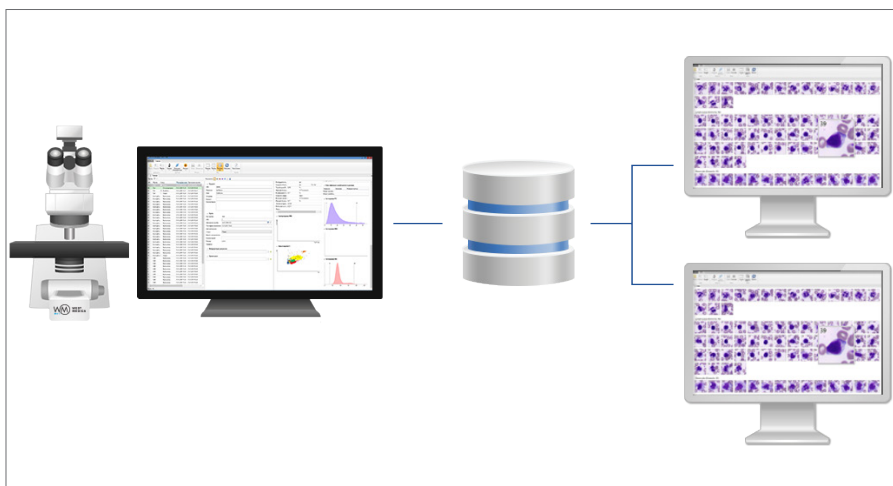
Administrative Modules

Vision Manager



Analysis procedure automation, data processing rules.

Vision Remote



Remote workstation.

Artificial intelligence

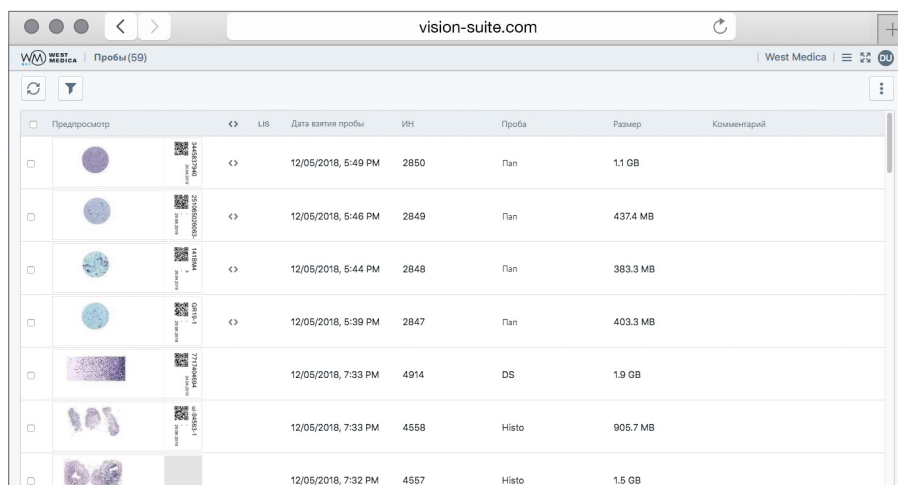


Artificial intelligence (AI) cumulates algorithms and technologies that allow computers to learn and solve intellectual tasks provided by humans.

AI speeds up processing and interpretation of data, and allows to efficiently perform the most comprehensive tasks, including medical image analysis.

Consulting and Education Modules

Vision Suite

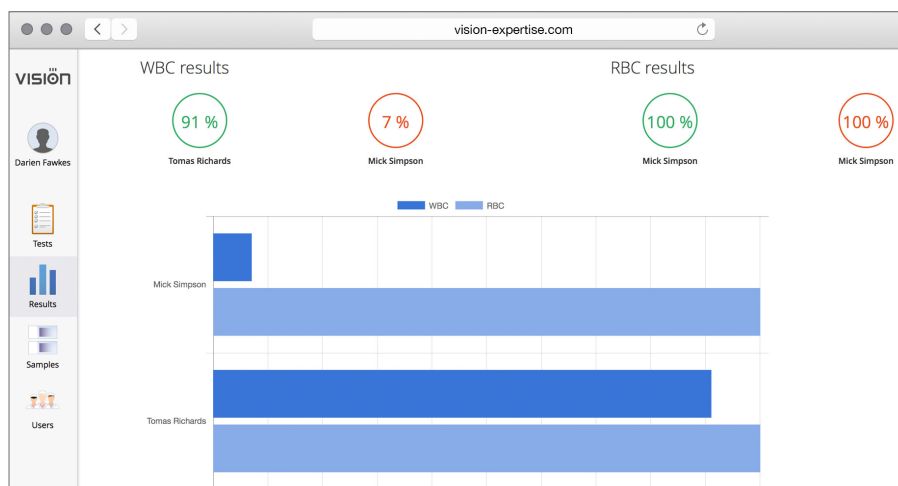


The screenshot shows the 'vision-suite.com' web interface. At the top, there's a navigation bar with 'West Medica' and a user profile icon. Below it, a table lists microscopy samples. Each row includes a checkbox, a thumbnail image, a QR code, and columns for 'LIS', 'Дата взятия пробы' (Date of sample collection), 'ИВН' (IVN), 'Проба' (Sample), 'Размер' (Size), and 'Комментарий' (Comment).

	Предпросмотр	LIS	Дата взятия пробы	ИВН	Проба	Размер	Комментарий
<input type="checkbox"/>			<>	12/05/2018, 5:49 PM	2850	Пан	1.1 GB
<input type="checkbox"/>			<>	12/05/2018, 5:46 PM	2849	Пан	437.4 MB
<input type="checkbox"/>			<>	12/05/2018, 5:44 PM	2848	Пан	383.3 MB
<input type="checkbox"/>			<>	12/05/2018, 5:39 PM	2847	Пан	403.3 MB
<input type="checkbox"/>				12/05/2018, 7:33 PM	4914	DS	1.9 GB
<input type="checkbox"/>				12/05/2018, 7:33 PM	4558	Histo	905.7 MB
<input type="checkbox"/>				12/05/2018, 7:32 PM	4557	Histo	1.5 GB

Cloud/server for telemedicine and remote consultations with colleagues.

Vision Expertise



Online testing and quality control.
www.vision-expertise.com

Clinical applications



The latest developments of artificial intelligence provide a solution for the tasks connected with automation in digital microscopy.

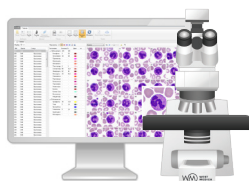
Our technologies speed up the diagnostic process, reduce analysis time and lower subjectivity of the results received.

They improve the efficiency of laboratory routine operation, bringing microscopy analyses in line with state-of-the-art standards.

Specifications



Vision Assist
Cell Imaging Analyzer



Vision Pro
Cell Imaging Analyzer



Vision Ultimate
Cell Imaging Analyzer

Application module: Vision Hema	Application module: Vision Hema	Application module: Vision Hema
Additional modules: Vision Extended RBC Vision Extended PLT Vision RET Vision Body Fluids Vision Malaria	Additional modules: Vision Extended RBC Vision Extended PLT Vision RET Vision Body Fluids Vision Malaria	Additional modules: Vision Extended RBC Vision Extended PLT Vision RET Vision Body Fluids Vision Malaria
Working modes: queue (only 4 slides version)	Working modes: queue, random access	Working modes: queue, continuous and random access, STAT testing, 24/7
Automatic scanning	Automatic scanning	Automatic scanning
1 or 4 slides	4 or 8 slides	Up to 200 slides
Manual slide handling	2 cassettes with slides	Automatic slide handling
Microscope for scanning	Microscope for scanning	Microscope for scanning
Personal computer	Personal computer	Personal computer
Monitor	Monitor	Monitor
—	—	Touch-screen monitor for control
—	Built-in barcode reader (optional)	Built-in barcode reader
—	Automatic oil dispenser (optional)	Automatic oil dispenser
Optical system: 10x, 50x Oil, 100x Oil	Optical system: 10x, 60x Oil, 100x Oil	Optical system: 10x, 50x Oil, 100x Oil
Bright field	Bright field	Bright field
Köhler illumination, LED	Köhler illumination, LED	Köhler illumination, LED
Bidirectional LIS, LIS2-A2 (ASTM), HL7, Ethernet	Bidirectional LIS, LIS2-A2 (ASTM), HL7, Ethernet	Bidirectional LIS, LIS2-A2 (ASTM), HL7, Ethernet
Art. N.: 71150.01 (1 slide) Art. N.: 71450.01 (4 slides)	Art. N.: 72452.01 (4 slides) Art. N.: 72852.01 (8 slides)	Art. N.: 73011.01 (200 slides)

We reserve the right to change specification without notice.



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For distributor