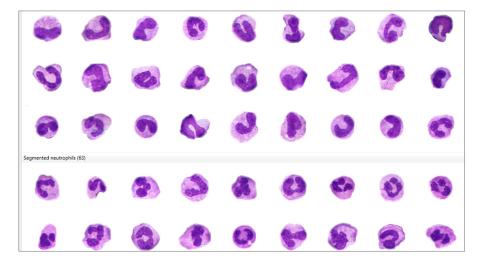# Bone Marrow
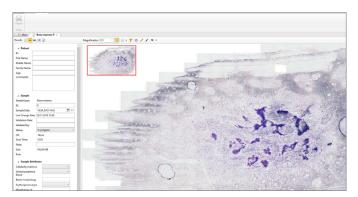## Automatic Analysis of Bone Marrow cells

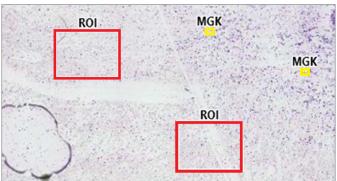# Clinical Application Module
Vision Bone Marrow

Automatic scanning, pre-classification and counting of bone marrow cells
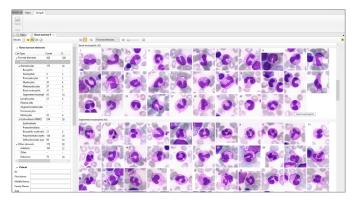
— Blasts
— Basophils
— Eosinophils
— Promyelocytes
— Myelocytes
— Metamyelocytes
— Band neutrophils
— Segmented neutrophils
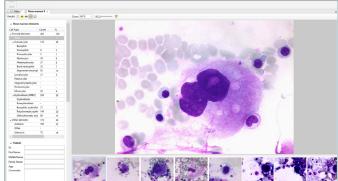— Lymphocytes
— Erythroblasts

Digital slide of bone marrow.

Automatic selection of regions of interest (ROI) and identification of megakaryocytes (MGK).
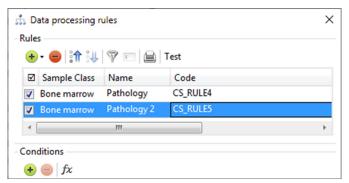

Bone marrows cells gallery.

Megakaryocytes gallery.

Automation through Vision Bone Marrow improves the quality and increases the speed of analysis. Vision Bone Marrow allows you to save time and resources of your laboratory. A specialist only validates the analysis results.
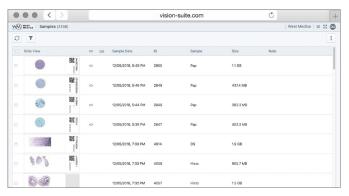
Administrative Modules
Vision Manager

Analysis procedure automation, data processing rules.

Vision Remote

Remote workstation.

Consulting and Education Modules
Vision Suite

Cloud/server for telemedicine and remote consultations with colleagues.

Vision Expertise

Online testing and quality control.

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.
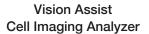
Clinical applications

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 Bone Marrow**	Application module: **Vision Bone Marrow**	Application module: **Vision Bone Marrow**
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	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.: 71150.02 (1 slide) Art. N.: 71450.02 (4 slides)	Art. N.: 72852.02 (8 slides)	Art. N.: 73011.02 (200 slides)

We reserve the right to change specification without notice.