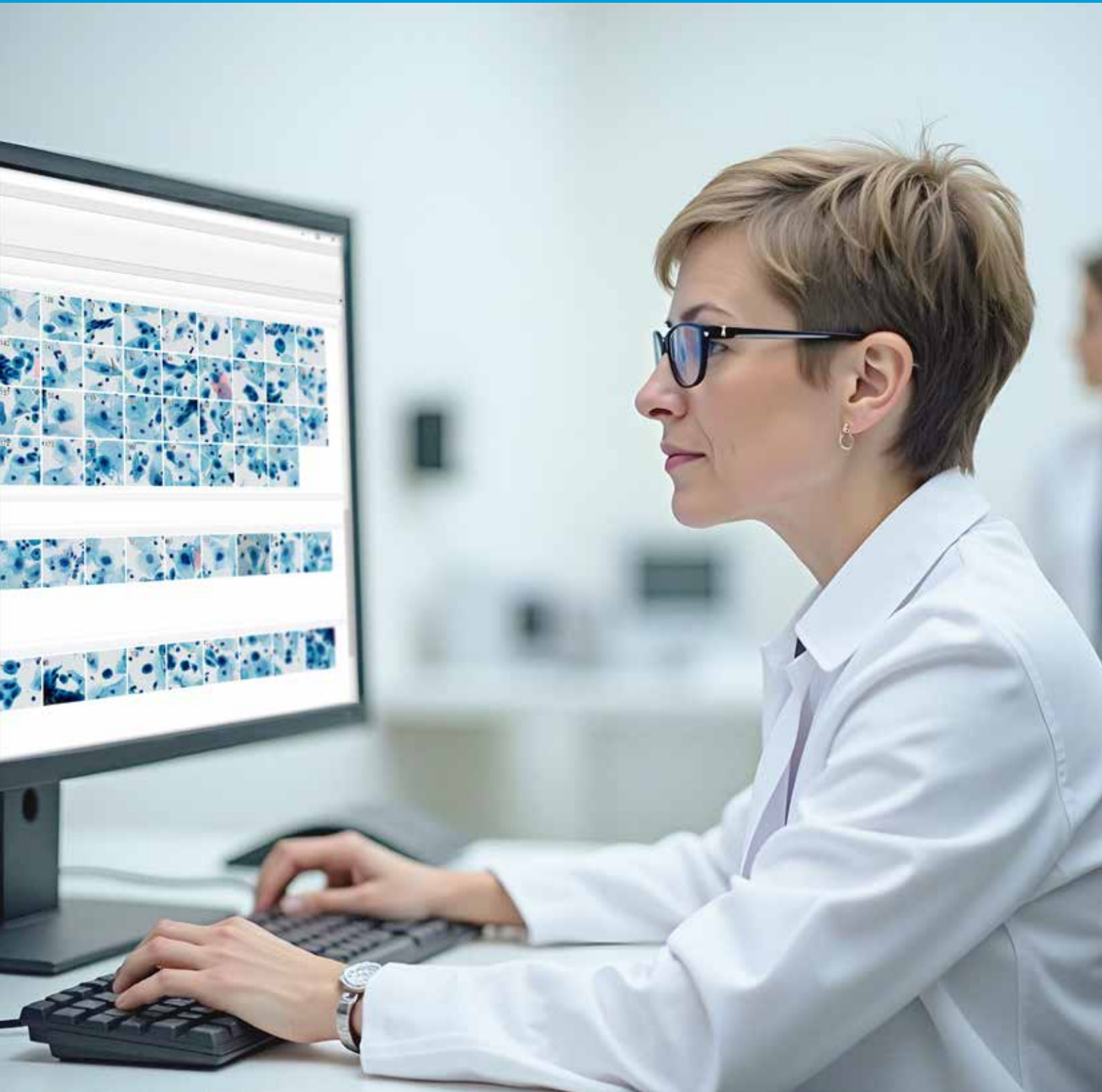# Digital Scanning Analyzers
for Screening of Cervical Samples

Vision A1

Key features

- Loading 1 slide
- Automatic sample scanning
- Automatic analysis and pre-classification
- For small and medium-sized laboratories

Scanning process

01

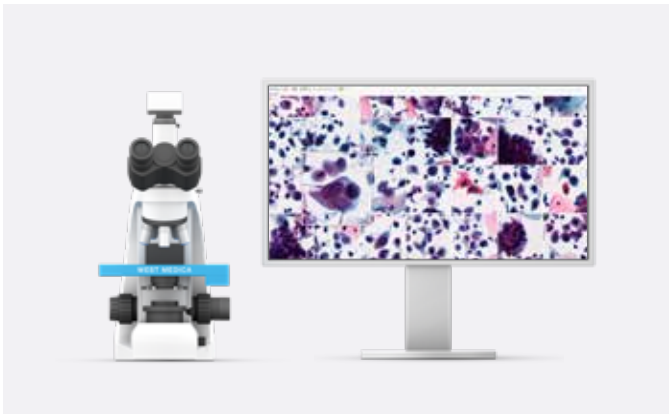Place the slide to the slide holder

02

Install into the slide scanner and start scanning

03

Get the result!

Vision Assist

- Loading 1 or 4 slides
- Automatic sample scanning
- Automatic analysis and pre-classification
- For small and medium-sized laboratories

Vision Pro

- Loading 4 or 8 slides
- Automatic sample scanning
- Automatic analysis and pre-classification
- Random access
- For medium and large laboratories

Vision Ultimate

- Loading 120 or 200 slides
- Automatic sample scanning
- Automatic analysis and pre-classification
- High scanning speed and image capture of the whole sample
- Random access and testing of urgent samples
- Night shift work without an operator
- For centralized and large-sized laboratories

Vision Cyto Pap
Automated cervical cancer screening
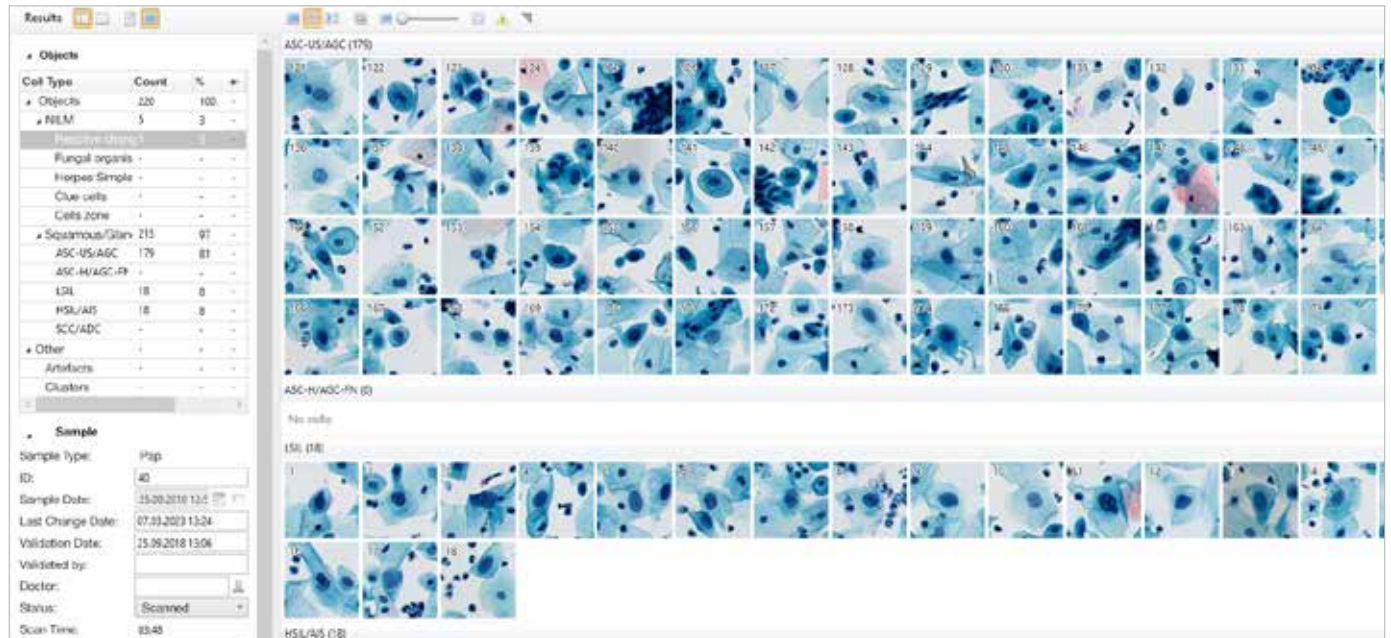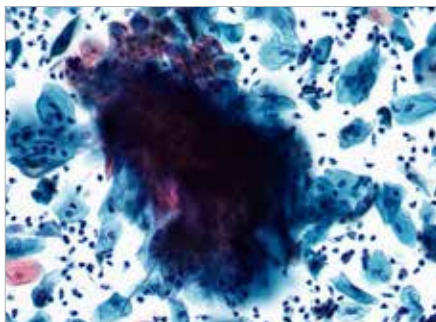

Analysis by Bethesda classification

NILM

· Reactive changes

· Fungi

· Clue cells

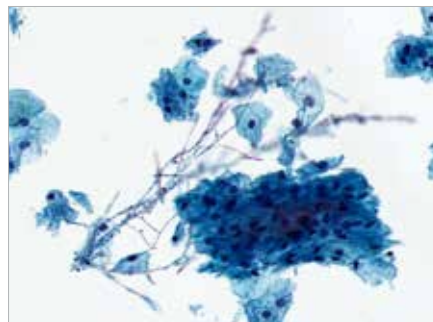· Transformation zone cells

Clusters

Squamous / Glandular

· ASC-US / AGC

· ASC-H / AGC-FN

· LSIL

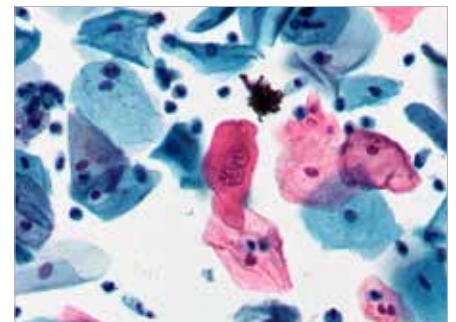· HSIL / AIS

· SCC / ADC

Examples of cells by Bethesda classification
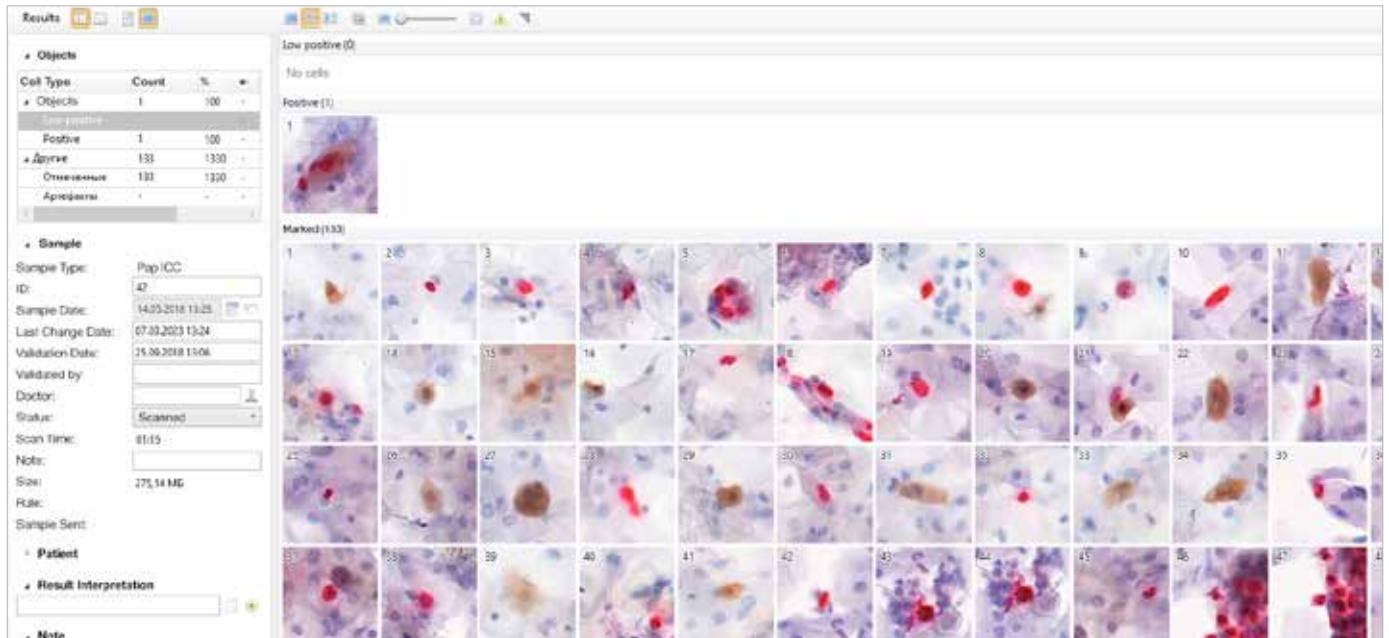

Clusters

Fungi


LSIL

Vision Cyto Pap ICC
Automatic evaluation of immunocytochemical reaction
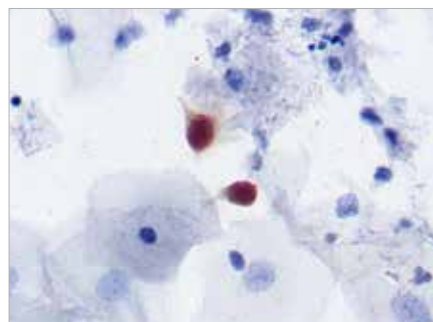

Analysis of cells with cytoplasmic and nuclear reactions

- Additional study for cervical cytology

- Evaluation of co-expression of oncoproteins p16/Ki67

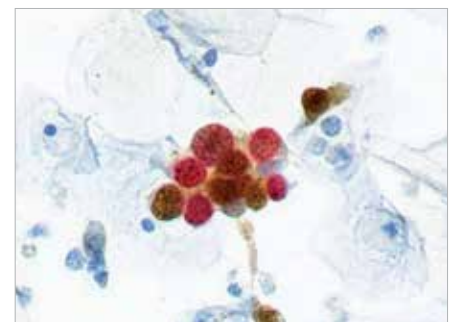- Automated analysis of cells with cytoplasmic and nuclear reaction: weakly positive, positive cells

Examples of cells with cytoplasmic and nuclear reactions
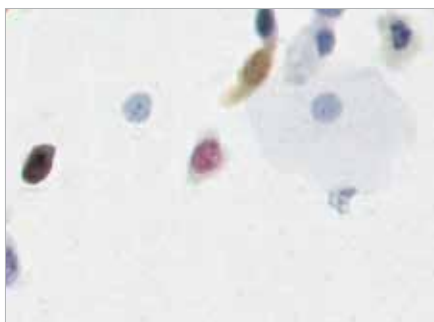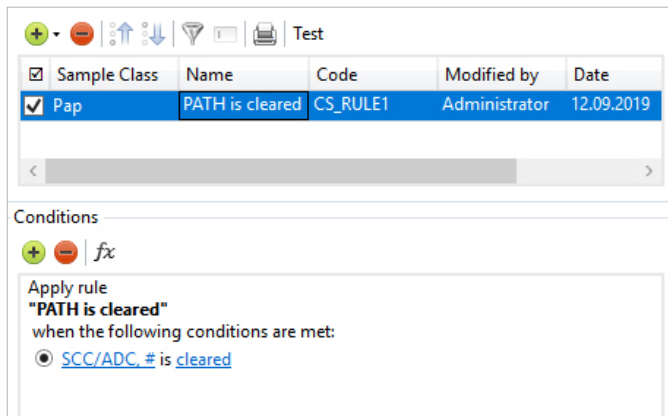

Weakly positive reaction

Positive reaction

Positive reaction

Vision Manager

www.wm-vision.com

Data processing rules for analysis procedure automation

Vision Remote
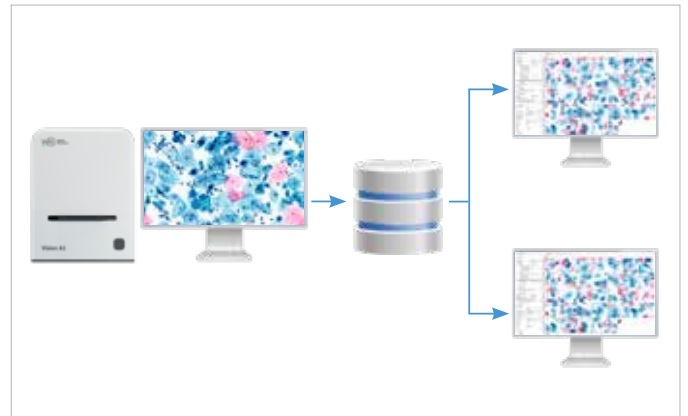
www.wm-vision.com

Remote workstation

Vision Suite
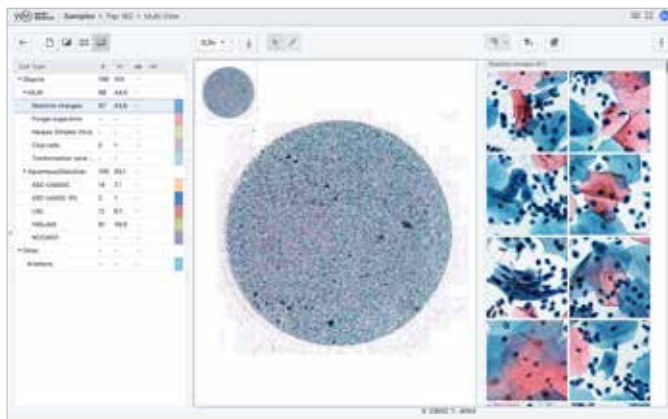
www.vision-suite.com

Remote operation of Vision software via Internet browser

Vision Expertise

www.vision-expertise.com

Online testing and validation of specialists' knowledge in microscopy

Artificial intelligence for digital microscopy

With artificial intelligence technologies, Vision's digital microscopy solutions optimize and standardize laboratory workflow.

Pathoview

Working with digital slides via internet browser

Upload, view, store and share digital slides

Uploading

Upload your slides in any convenient way: via a web browser, from the Vision and Vision Slide Viewer applications, or send them using your Vision Suite organization.

Storage

Save digital slides in Pathoview, and they will always be at your fingertips wherever you are. Ensure access to digital slides from any device.
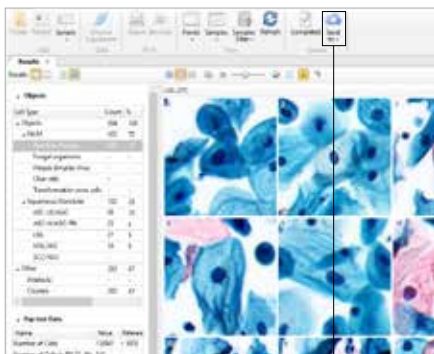
Shared access

Information exchange — share and discuss clinical cases with colleagues. Quick and easy sharing of links to slides of any size.
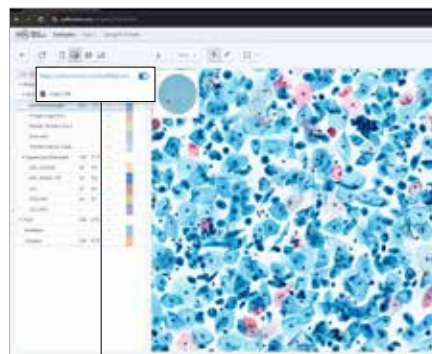
Digital slides

Support ovarious digital slide formats: .mrxs, .svs, .tiff, .ndpi, .dcm.

Vision and Pathoview integration

In Vision select a sample and click the "Submit" button on the toolbar

In Pathoview click the "Submit" button, copy the link and send it to your colleagues for consultation

Your colleague views the digital slide on any device

Digital scanning analyzers

Key features	Vision A1	Vision Assist	Vision Pro	Vision Ultimate
Application modules	Vision Cyto Pap Vision Cyto Pap ICC	Vision Cyto Pap Vision Cyto Pap ICC	Vision Cyto Pap Vision Cyto Pap ICC	Vision Cyto Pap Vision Cyto Pap ICC
Working mode	Continuous loading	Queue (for 4 slides only)	Queue, random access	Queue, continuous and random access, STAT sampling, 24/7
Scanning	Automatic	Automatic	Automatic	Automatic
Loading a slide	1 slide	1 or 4 slides	4 or 8 slides	120 or 200 slides
Specifications	Scanning unit Personal computer Monitor	Scanning microscope Personal computer Monitor	Scanning microscope Personal computer Monitor	Scanning microscope Personal computer Monitor Control touch-monitor
Objectives	20x	20x	20x	2,5x, 10x, 20x
Research method	Bright field	Bright field	Bright field	Bright field
Illumination	Köhler illumination, LED	Köhler illumination, LED	Köhler illumination, LED	Köhler illumination, LED
Communications	Bidirectional connection to LIS, LIS2-A2 (ASTM), HL7	Bidirectional connection to LIS, LIS2-A2 (ASTM), HL7	Bidirectional connection to LIS, LIS2-A2 (ASTM), HL7	Bidirectional connection to LIS, LIS2-A2 (ASTM), HL7

Pre-classification has to be validated by the specialist reviewing the galleries of cells.
Please check the intended use and the registration in your local regulation.
Depending on the regulations of the respective region, some products may be used for research purpose only.
We reserve the right to change specification without notice.