

CellaVision® DM1200

CellaVision DM1200 is designed to automate and simplify the process of performing peripheral blood and body fluid differentials. The system leverages high-speed robotics and digital imaging to automatically locate and capture high-quality images of cells. When implemented together with Cellavision applications and supporting software, Cellavision DM1200 becomes the engine of a streamlined and automated digital cell morphology workflow, enabling laboratories to work smarter and perform better.

Developed to meet the needs of both big and small hematology labs.



Features

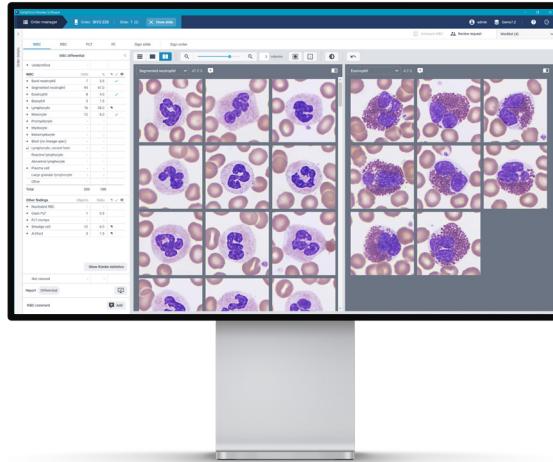
Automatically captures digital images of cells from peripheral blood smears and body fluid preparations

Loading capacity of 12 slides

Approximately 20 slides throughput per hour*

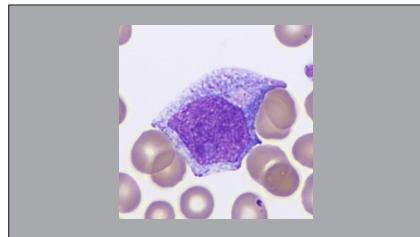
Enables digital scan of pre-defined area of any interesting specimen



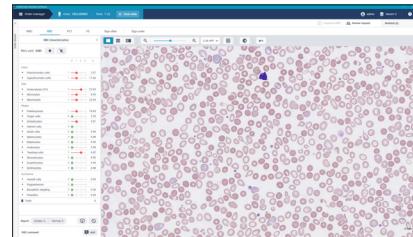


Why Cellavision DM1200?

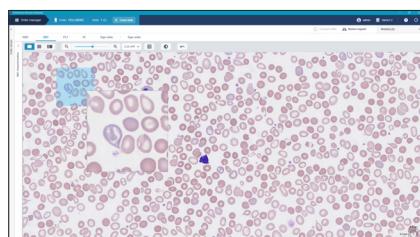
- Automates analysis of Body Fluids, WBCs, RBCs including an overview of the feathered edge.
- Constructed on a proven technological platform that is reliable, easy to operate and requires minimal maintenance.



Single cell image



RBC overview



RBC zoom



Feathered edge view

Cellavision® DM1200

Technical Specifications

SLIDE HANDLING

- Requires barcode labeled slides with clipped/round corners
- Slides are loaded into magazines with the capacity of 12 slides
- Analyzes slides with peripheral blood smears and body fluids either batched in dedicated magazines or mixed when interfaced to a LIS

IMMERSION OIL

- Automatic dispensing
- Easy replacement of oil pack

QUALITY CONTROL

- Cell location accuracy test for the verification of the hardware and stain quality

ARCHIVING OF RESULTS AND IMAGES

- LAN

STORAGE CAPACITY

- Primary storage: On local hard drive up to 4,000 slides (20 GB)
- Secondary storage: Unlimited when transferred to external storage media

PRINTER SUPPORT

- Printers supported by Windows

COMMUNICATIONS

- Bi-directional LIS support, ASTM
- Ethernet 10/100 Mbps
- Multiple Cellavision DM analyzers can share a database

SYSTEM COMPONENTS

- Slide Scanning Unit
- Cellavision DM Software
- System Computer with Windows

ELECTRONICAL SPECIFICATIONS

Voltage input: 100 to 240 VAC

Current input:

- System computer: 1.4 to 0.7 A
- Slide scanning unit: 0.6 to 0.3 A

CLEARANCE

- CE, 510(k)

SIZE (Width x Depth x Height)

- 576 x 450 x 710 mm
- 22.7 x 17.7 x 28.0 inches

WEIGHT

- 80 kg / 176 lbs

THROUGHPUT*

Peripheral Blood:

- Up to 20 slides/h for complete differential (100 WBC+RBC+PLT)

Digital Slides:

- Up to 20 slides/h for 10 x 10 mm in 10x
- Up to 1.5 slides/h for 10 x 10 mm in 10x + 50x

Body Fluids (based on 6 mm sample area):

- Up to 15 slides/h for differential (100 WBCs + 10x)
- Up to 3 slides/h for differential (100 WBCs + 10x + 50x)

OPTIONAL SOFTWARE / APPLICATIONS

- Cellavision® Advanced RBC Application
- Cellavision® Body Fluid Application
- Cellavision® Review Software
- Cellavision® Server Software
- Cellavision® Proficiency Software
- Cellavision® Scanner Application
- Database Query

ACCESSORIES

- Cellavision Immersion Oil Pack
- Barcode labeled slide magazines
- QC barcode labels
- Label printer kit

* Processing time may vary depending on smear quality, WBC count and number of non-WBCs. Specifications are subject to change without notice. This product may not be available in all markets.