

CellaVision DM9600

AUTOMATION OF THE MANUAL DIFFERENTIAL



Thanks to a unique combination of high speed, reliable slide movement robotics, patented auto-focus algorithms and state of the art Artificial Neural Network technology, CellaVision DM analyzers open up new ways of handling manual differentials traditionally performed on a microscope. By automating the manual differential, the DM9600* analyzer creates an automated workflow which reduces turnaround time, enhances degree of standardization and improves overall quality of analysis.

The CellaVision DM analyzers fill one of the remaining missing pieces in the Hematology Laboratory's quest for total automation in routine testing.

KEY FEATURES

- › Analyzes blood smears and body fluids
- › Allows Digital Slides creation
- › Automated workflow
- › Continuous feed with a loading capacity of 96 slides
- › View cell counter results and flags

TECHNICAL SPECIFICATIONS**

Slide Handling

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

Immersion Oil

- › Automatic dispensing

Quality Control

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

Archiving of Results and Images

- › Supported media: CD-R/CD-RW and 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

- › Laser/inkjet printers supported by Windows***

Communications

- › Bi-directional LIS support, ASTM
- › Ethernet 10/100 Mbps
- › Multiple CellaVision DM analyzers can share a database
- › E-mail

System Components

- › Slide Scanning Unit Software
- › CellaVision DM
- › PC with Windows

Electronical Specifications

- › Voltage input: 100-240 VAC
- › Current input: 2A/1A

Clearance

- › SCE, 510(k)

Size (W X D X H)

- › 58 cm x 56 cm x 79 cm
(22.8 in x 22.0 in x 31.1 in)

Weight

- › 93 kg/205 lbs

Throughput

Processing time may vary depending on smear quality, WBC concentration and number of non-WBCs. The below values are approximate.

Peripheral Blood:

- › Approximately 30 slides/h for complete differential (100 WBC+RBC+PLT)

Digital Slides:

- › Approximately 20 slides/h for 10 × 10 mm in 10x
- › Approximately 1.5 slides/h for 10 × 10 mm in 10x + 50x

Body Fluids (based on 6 mm sample area):

- › Approximately 15 slides/h for differential (100 WBCs + 10X)
- › Approximately 3 slides/h for differential (100 WBCs + 10X + 50X)

Optional Applications/Software

- › CellaVision Advanced RBC Application
- › CellaVision Body Fluid Application
- › CellaVision Remote Review Software
- › CellaVision Proficiency Software

Accessories

- › Immersion Oil
- › Barcode labeled slide magazines
- › QC barcode labels
- › Light tower
- › Label printer kit

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For more information, visit www.beckmancoulter.com/hematology



* Product may not be available in all markets.

** Specifications are subject to change without notice.

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