

CellaVision® DC-1

Digital Cell Morphology System



AUTOMATE & SIMPLIFY
BLOOD CELL DIFFERENTIALS.



Advanced
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Laboratory Diagnostics
Point of Care Solutions

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WOODLEY
EQUIPMENT COMPANY LTD.

CellaVision® DC-1

Digital Cell Morphology System

The CellaVision DC-1 is designed to automate and simplify the process of performing blood cell differentials in low-volume laboratories. The system leverages high-speed robotics and digital imaging to automatically locate and capture high quality images of cells.

FEATURES

- Capture digital images of cells from blood smears
- Automate the analysis of WBCs, RBCs and PLTs
- Create digital scans of any interesting specimen
- Compact design with small footprint

SPECIFICATIONS

Slide Handling

- Accepts slides with ground edges, clipped, round or square corners
- Order ID for slides entered either manually or using an optional barcode reader
- Slides are loaded one at a time
- Analyses slides with blood smears

Immersion Oil

- Manual oil dispensing

Quality Control

- Cell location accuracy test for the verification of hardware and stain quality
- Built-in smear check

Archiving of Results & Images

- Utilising LAN

Storage Capacity

- Primary Storage: On local hard drive up to 1,500 slides (20GB)
- 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/DC analysers can share a database

System Components

- Slide Scanning Unit with integrated PC and Windows 10 embedded
- CellaVision® DM Software

Electronical Specifications

Analyser:

- Voltage input 12 VDC
- Current input 7 ADC

Power Supply:

- Voltage input, power supply 100-240 V
- Voltage frequency, power supply 50-60Hz
- Current input 1.2-0.6 A

Dimensions/Weight

- Width - 280 mm
- Depth - 390 mm
- Height - 370 mm
- Weight - 11kg

Throughput*

- *NOTE: Processing time may vary depending on smear quality, WBC concentration & number of non-WBCs*
- Up to 10 slides/hour for complete differential (100 WBC+RBC+PLT)

Slide Preparation Methods (Wedged)

- Automated slide makers & stainers
- CellaVision® SmearMaker
- HemaPrep® / MiniPrep® automated blood smearing device
- Manual smears

Stains

- Romanowsky stains (May Grünwald Giemsa, Wright Giemsa, Wright)

Optional Software/Applications

- CellaVision® Remote Review Software
- CellaVision® Server Software
- CellaVision® Proficiency Software
- CellaVision® Dashboard



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