



CellaVision® DC-1

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. It allows both **standalone** and **networked installation**.

In a **standalone** low-volume hematology laboratory, the CellaVision DC-1 innovates the process of performing cell differentials.

When used in a small satellite site in a **health network**, the CellaVision DC-1 allows the process and review of blood smears locally and remotely as well as improving collaboration with colleagues and morphology experts at other sites.



Key features

Capture digital images of cells from blood smears

Automate the analysis of WBCs, RBCs and PLTs

Create digital scans of any interesting specimen

Maximize space with its compact design

CellaVision DC-1



TECHNICAL SPECIFICATION

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 slide at a time
- Analyzes slides with blood smears

IMMERSION OIL

Manual oil dispensing

QUALITY CONTROL

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

ARCHIVING OF RESULTS AND IMAGES

Utilizing LAN

STORAGE CAPACITY

- Primary storage: On local hard drive up to 1,500 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/DC analyzers can share a database

SYSTEM COMPONENTS

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

ELECTRONICAL SPECIFICATIONS

Analyzer

- Voltage input 12 VDC
- Current input 7 ADC

Power supply

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

SIZE (W x D x H)

- 280 x 390 x 370 mm
- 11.0 x 15.4 x 14.6 inches

WEIGHT

11 kg / 24 lbs

THROUGHPUT*

Up to 10 slides/h for complete differential (100 WBC+RBC+PLT)

NOTE: Processing time may vary depending on smear quality, WBC concentration and number of non-WBCs.

SLIDE PREPARATION METHODS (WEDGED)

- Automated slide makers and 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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