CellaVision® DC-1

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 stand-alone and networked installation.

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

When used in a small satellite site in a health network 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.
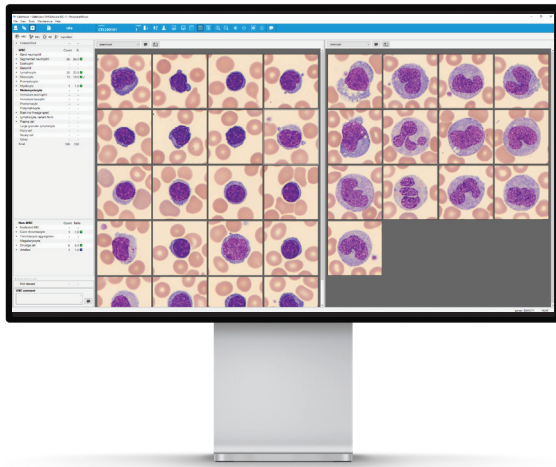
EVOLVING MICROSCOPY | ELEVATING HEALTHCARE

Features

|			
Capture digital images of cells from blood smears	**Automate the analysis** of WBCs, RBCs, PLTs and an overview of feathered edge	**Create digital scans** of any interesting specimen	**Compact Design** with small foot print

Why CellaVision® DC-1?

- Automates analysis of WBCs, RBCs and PLTs including an overview of the feathered edge.
- Custom-designed to optimize the process of performing blood cell differentials in low-volume labs. It effectively automates and simplifies the work that is traditionally done by Medical Technologists using conventional microscopy.
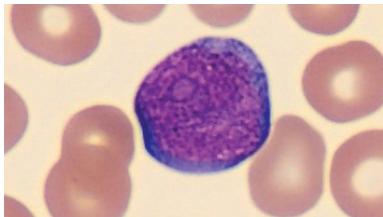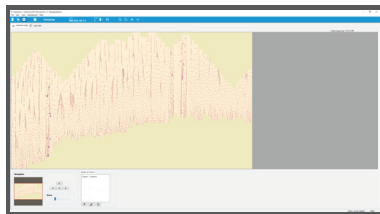

Single cell image
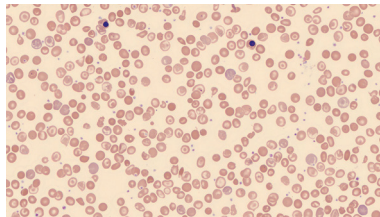
RBC overview
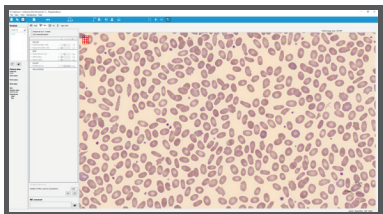
Grid view

Feathered edge view

CellaVision® DC-1

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
- LAN

ACCESSORIES
- Immersion Oil
- QC barcode labels
- Label printer kit
- Barcode reader, hand held

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
- Bidirectional LIS support, ASTM
- Ethernet 10/100 Mbit/s
- Multiple CellaVision® DM/DC analyzers can share a database

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

Technical Specifications

ELECTRONICAL SPECIFICATIONS
Analyzer
- Voltage input 12 VDC
- Current input 7 ADC

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

CLEARANCE
- CE, 510(k)

SIZE (WIDTH X DEPTH X HEIGHT)
- 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)

SLIDE PREPARATION METHODS (WEDGED)
- Automated slide makers and stainers
- RAL SmearBox & RAL StainBox
- HemaPrep® automated blood smearing device
- Manual smears

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

OPTIONAL SOFTWARE / APPLICATIONS
- CellaVision® Remote Review Software
- CellaVision® Server Software
- CellaVision® Proficiency Software

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

www.cellavision.com