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 stand-alone and networked installation.

In a stand alone 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.
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

CLEARANCE
- CE

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

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

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