CellaVision® DC-1
digital cell morphology assessment

In hematology, examination of blood films by microscopy is a routine procedure. However, performing cell differentials by manual microscopy can be laborious. CellaVision DC-1 allows you to redefine and transform your process of performing cell differentials.

CellaVision DC-1 combines high-power microscopy, digital imaging and AI-based image analysis. Through identification of the monolayer, location of individual cells, and capture of high-quality images, the analyzer provides a pre-classification of cells for convenient on-screen review.

**Enhance efficiency**
Automatic pre-classification of cells can help you shorten testing time, while improving resource utilization.

**Promote quality**
Automated microscopy testing enables standardizing the procedure to deliver more reliable and consistent results, while achieving greater level of traceability and quality control.

**Improve connectivity**
Connectivity facilitates collaboration between colleagues and simplifies consultation by off-site morphology experts.

**Impel proficiency**
Access to reference cell images provides a tool for staff training and competency development.
### 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 slide at a time
- Analyzes slides with blood smears

**Throughput**
- Up to 10 slides/h for a complete cell differential (100 WBC+RBC+PLT)

**Slide preparation methods** (wedged)
- Automated slide makers and strainers
- CellaVision SmearMaker
- HemaPrep®/MiniPrep® automated blood smearing device
- Manual smears

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

**Immersion oil**
- Manual oil dispensing

**Interface ports**
- Bi-directional LIS support, ASTM
- Ethernet 10/100 Mbps
- Multiple DC-1 analyzers can share one database

**Printout**
- External laser/ inkjet printers supported by Windows®

**Storage capacity**
- Up to 1,500 slides (20 GB)

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

**Dimension (W × D × H)**
- 280 × 390 × 370 mm

**Weight**
- 11 kg

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**Contact us for more information**

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