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# CellaVision<sup>®</sup> 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	<ul style="list-style-type: none"><li>• Accepts slides with ground edges, clipped, round or square corners</li><li>• Order ID for slides entered either manually or using an optional barcode reader</li><li>• Slides are loaded one slide at a time</li><li>• Analyzes slides with blood smears</li></ul>
Throughput	Up to 10 slides/h for a complete cell differential (100 WBC+RBC+PLT)
Slide preparation methods (wedged)	<ul style="list-style-type: none"><li>• Automated slide makers and strainers</li><li>• CellaVision SmearMaker</li><li>• HemaPrep®/MiniPrep® automated blood smearing device</li><li>• Manual smears</li></ul>
Stains	Romanowsky stains (May Grünwald Giemsa, Wright Giemsa, Wright)
Immersion oil	Manual oil dispensing
Interface ports	<ul style="list-style-type: none"><li>• Bi-directional LIS support, ASTM</li><li>• Ethernet 10/100 Mbps</li><li>• Multiple DC-1 analyzers can share one database</li></ul>
Printout	External laser/ inkjet printers supported by Windows®
Storage capacity	Up to 1,500 slides (20 GB)
Quality control	<ul style="list-style-type: none"><li>• Cell location accuracy test for the verification of the hardware and stain quality</li><li>• Built-in smear check</li></ul>
Dimension (W × D × H)	280 × 390 × 370 mm
Weight	11 kg

## Contact us for more information

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