CELLAVISION® DM96
Cell Image Analysis System
Enhancing Productivity, Streamlining Collaboration
CELLAVISION® DM96
AUTOMATION OF THE MANUAL DIFFERENTIAL

Thanks to a unique combination of high speed, reliable slide movement robotics, patented auto-focus algorithms and state of the art Artificial Neural Network technology, CellaVision DM analyzers provide new ways of handling the manual differential traditionally performed on a microscope, significantly reducing time and resources for routine hematology testing. By automating the manual differential, increased speed and reduced turnaround time are offered together with quality enhancement.

Efficiency, Proficiency, Connectivity, Collaboration

Automatic cell location and pre-classification improves resource utilization, the quality of results and employee satisfaction. Highly skilled medical technologists are able to spend more time on difficult cases that require careful analysis and assessment. The ability to archive images enables laboratories and clinicians to review previous cell images for long term case management.

Efficiency
Automatic cell location and pre-classification, along with unique cell views, reduce the time spent performing differentials, training new techs and monitoring proficiency.

Proficiency
CellaVision DM96 helps all technologists perform differentials at the same high level of consistency. The system provides traceability of results at the individual cell level.

Connectivity
Multiple Remote Review Stations enable supervisory review, inter/intra-lab comparison and the opportunity for real-time collaboration with Pathology.

Collaboration
As a result of network integration, the CellaVision DM96 will provide new value to clinicians, saving them time with remote, real-time access to a patient’s image history.
# CELLAVISION® DM96

## PRODUCT INFORMATION

The CellaVision DM analyzers fill one of the missing pieces in the Hematology Laboratory’s goal for automation in routine testing.

### KEY FEATURES
- Analyzes blood smears and body fluids
- Allows digital slide creation
- Automated workflow
- Continuous feed with a loading capacity of 96 slides
- View cell counter results and flags

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Slide preparation methods (wedged)</th>
<th>Automated slide maker and stainers HemaPrep®/MiniPrep® blood smearing device Manual smears Standard cyto-centrifuge preparation for body fluids (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stains</td>
<td>May Grünwald Giemsa, Wright Giemsa, Wright</td>
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<tr>
<td>Quality Control</td>
<td>Cell location accuracy test for the verification of the hardware and stain quality</td>
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<tr>
<td>Archiving of Results and Images</td>
<td>Supported media: CD-R/CD-RW and LAN</td>
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<tr>
<td>Storage Capacity</td>
<td>Primary storage: On local hard drive up to 4,000 slides (20 GB) Secondary storage: Unlimited when transferred to external storage media</td>
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### THROUGHPUT

<table>
<thead>
<tr>
<th>Peripheral Blood</th>
<th>Up to 35 slides/hour for complete differential (100 WBC+RBC+PLT)</th>
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<tbody>
<tr>
<td>Digital Slides</td>
<td>Up to 30 slides/hour for 10 x 10 mm in 10x Up to 2 slides/hour for 10 x 10 mm in 10x + 50x</td>
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</table>

### OPTIONAL SOFTWARE/APPLICATIONS
- CellaVision® Remote Review Software
- CellaVision® Competency Software
- CellaVision® Body Fluid Application

### SYSTEM COMPONENTS
- Slide Scanning Unit
- CellaVision® DM Software
- PC with Windows XP

### ELECTRICAL SPECIFICATIONS
- Voltage input: 230/115 VAC
- Current input: 4A/8A

### SIZE (W x D x H)
- 20.9” x 23.6” x 24.8”

### WEIGHT
- 133 lbs

### COMMUNICATIONS
- Bi-directional LIS support, ASTM Ethernet 10/100 Mbps
- Multiple CellaVision DM analyzers can share a database
- E-mail