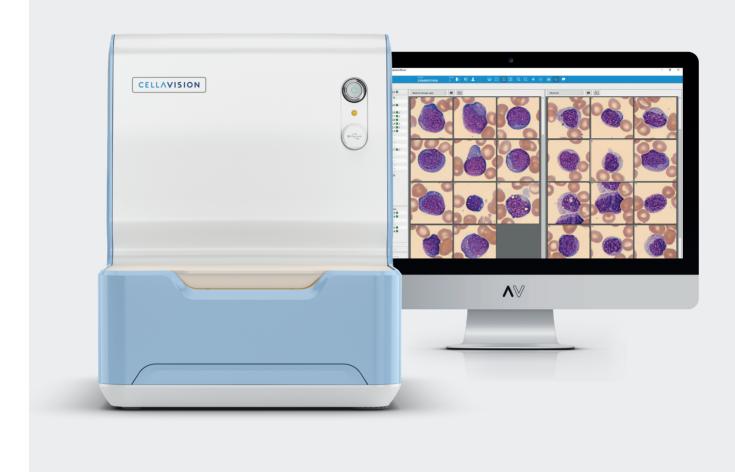
# CELLAVISION



# CellaVision® DC-1

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.

# **KEY FEATURES**

Capture digital images of cells from blood smears

Automate the analysis of WBCs, RBCs and PLTs

**Create digital scans** of any interesting specimen

**Compact Design** with small foot print





# **CellaVision® DC-1**

# **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

- Bidirectional LIS support, ASTM
- Ethernet 10/100 Mbit/s
- Multiple CellaVision<sup>®</sup> 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 100–240 V
- Voltage frequency, power supply 50–60 Hz
- Current input 1.2 to 0.6 A

#### 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
- RAL SmearBox & RAL StainBox
- HemaPrep®/MiniPrep® automated blood
- smearing device

  Manual smears
- Manual Sincars

### STAINS

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

#### 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.