

We lead the way in Digital Cell Morphology



Simplify hematology
testing with Digital
Cell Morphology by
CellaVision

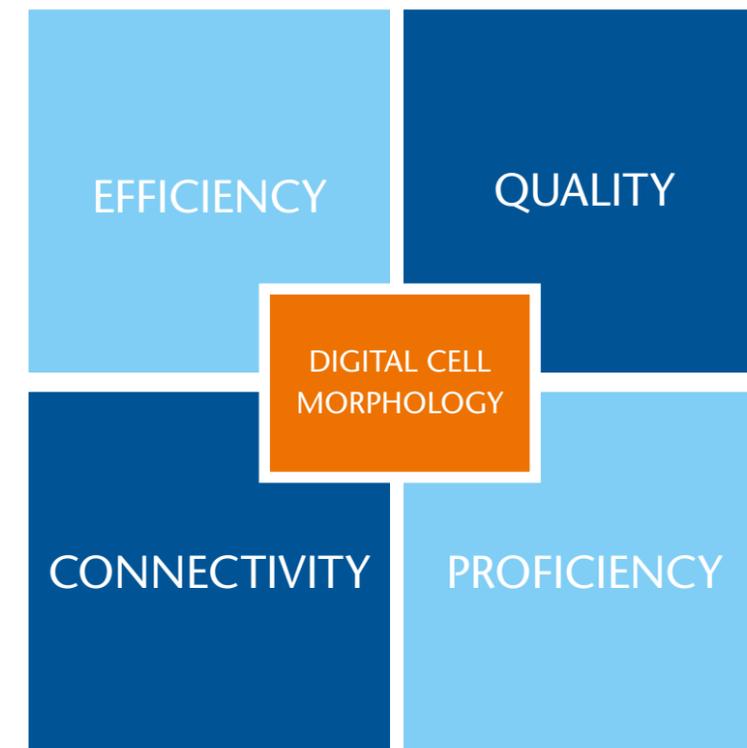
Introducing Digital Cell Morphology by CellaVision



Transform the process of performing blood and body fluid differentials

15 years ago CellaVision introduced automation and digital imaging to cell morphology, thereby creating what is known today as Digital Cell Morphology. Put simply, CellaVision offers a proven technology that replaces or complements manual microscopy to create an automated digital workflow for morphological cell analysis – enabling labs to work smarter and perform better.

Performing cell differentials using manual microscopy is a laborious and time-consuming procedure that's highly dependent on the availability of experienced personnel. We have made it our business to help labs modernize this important routine procedure – offering an alternative approach that makes better use of staff and skills while empowering labs to deliver faster and more standardized test results.



A proven, multi-benefit technology

CellaVision offers your hematology lab four principal benefits; the improved **EFFICIENCY** that comes with automating manual processes, enhanced **QUALITY** of results by promoting consistency and standardization; improved **CONNECTIVITY** that facilitates collaboration within and between labs; and a general advancement of your staff's **PROFICIENCY** in performing cell differentials.

A holistic approach to improving operational efficiency

Improve EFFICIENCY

When performing cell differentials using manual microscopy, there are several sub-processes that take up valuable technologist time. Using CellaVision's technology, that automatically locates, digitally captures, pre-classifies and presents cells for review by a Technologist, it's possible to reduce sample review time by up to 50%. This more efficient process makes it possible for laboratories to take on a greater volume of samples and make more efficient use of skilled staff.



Promote QUALITY

Replacing manual microscopy with a more standardized testing process helps you manage quality and ensure that your staff report testing results with consistent accuracy and reliability. The CellaVision way of working also facilitates remote supervisory review as well as supporting quality assurance by providing complete traceability down to the individual cell level.



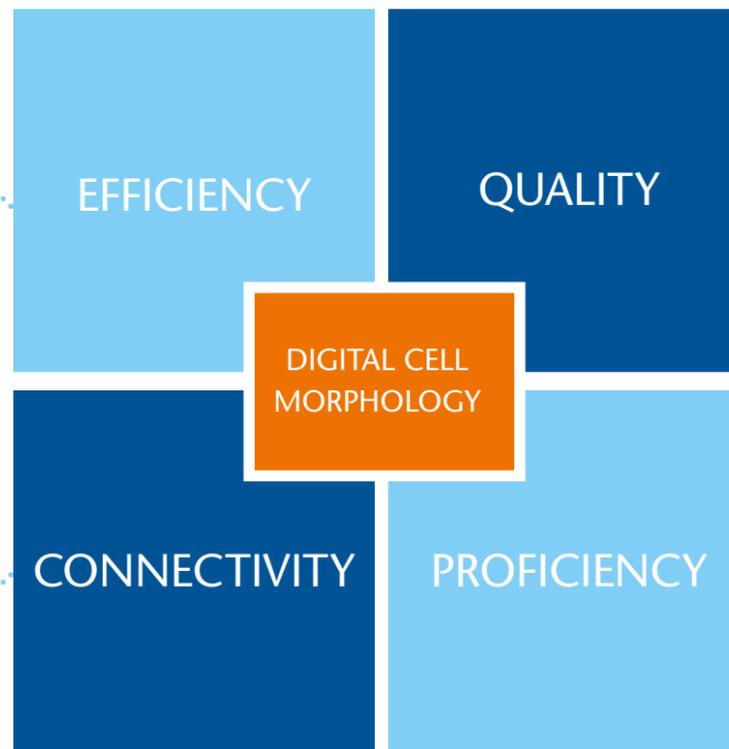
Improve CONNECTIVITY

With CellaVision, the task of performing cell differentials becomes a collaborative process that makes better use of staff and skills while empowering the lab to deliver faster and more consistent test results. Using an existing network, multiple CellaVision instruments and review sites can be linked and share a common image database. Cell differentials can be signed off from another location and challenging slides needing a second opinion can be reviewed remotely by a morphology expert.



Promote PROFICIENCY

The CellaVision way of working promotes proficiency by providing reference cell images, by presenting cells in complete groups side-by-side, and by creating a collaborative environment where technologists learn from real-time consultation with their colleagues, supervisor and morphology experts. In addition, CellaVision offer a range of tools specifically developed to support laboratory managers in assessing, monitoring and promoting staff competency in the area of cell morphology.



An efficient and reliable automation process

The automation offered by our technology removes the more laborious and tedious aspects of performing cell differentials. Technologists can instead focus their time and attention on morphological examination and the detection of abnormal cells.



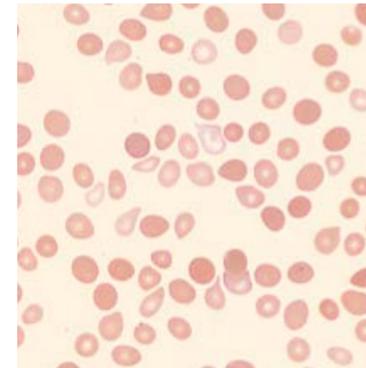
1 The microscope is replaced by a digital imaging system that automatically locates and then captures digital images of cells from barcoded slides.



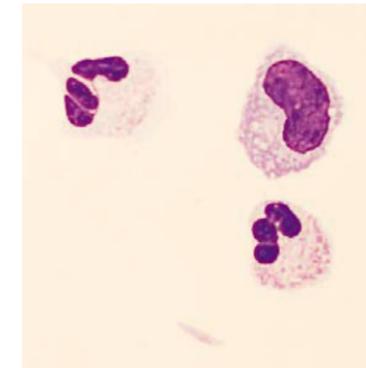
2 Innovative software extracts cellular features from the images to deliver a pre-classification/pre-characterization of cells that is presented to the technologist for review and verification.



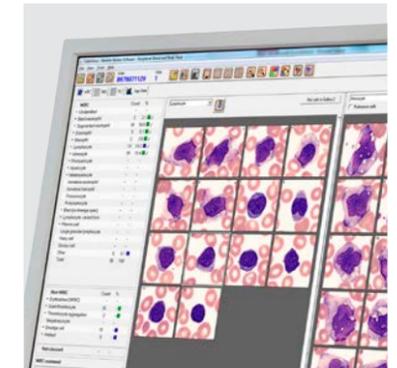
3 White blood cells are pre-classified into 17 cell types.



4 Red blood cells are pre-characterized based on 21 morphological characteristics.



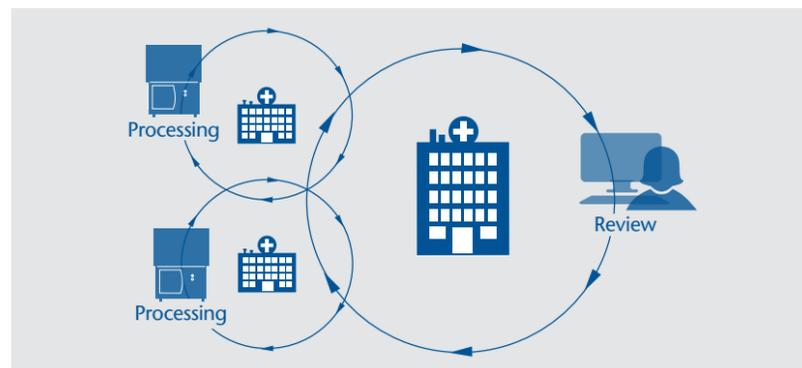
5 Body fluids, including cerebrospinal, peritoneal and pleural fluids, can also be analysed using our technology.



6 Structured interfaces, intelligent functionalities and embedded tools help speed up the review and verification process while promoting analysis accuracy and consistency.



7 Remote access functionality facilitates sharing of cell images for collaboration and consultation, from any computer or site within a network.



8 Our technology makes it possible to connect different laboratory sites to create efficient and flexible workflows. Using an existing network, multiple CellaVision instruments and review sites can be linked and share a common image database. This facilitates sharing of expertise and manpower between labs of all sizes, at one or multiple healthcare units.



9 Network integration allows cell images to become part of the patient's medical history providing complete traceability down to the individual cell level.

It's a simple process that does not take people out of the equation, but rather allows laboratories to use resources, staff and skills better and more efficiently.

10

A family of products form a unique and flexible automation concept

This is Digital Cell Morphology by CellaVision

Improve **EFFICIENCY** by replacing manual microscopy with an automated digital imaging system that saves time and releases skilled staff.

Promote **QUALITY** by implementing innovative applications that simplify morphological examination and deliver more standardized results.

Improve **CONNECTIVITY** to create a collaborative process that makes more efficient and flexible use of resources staff and skills.

Promote **PROFICIENCY** by implementing effective processes and tools for proficiency assessment and competency promotion.



CellaVision DM1200

Loading capacity:
12 slides

Throughput:
Approximately 20 slides / h



CellaVision Peripheral Blood Application

Performs a comprehensive pre-classification of WBCs and allows for initial review of RBCs and PLTs



CellaVision Advanced RBC Application*

Performs a comprehensive pre-characterization of RBCs



CellaVision Body Fluid Application

Performs a comprehensive pre-classification of WBCs in body fluid preparations



CellaVision Remote Review Software

Makes it possible to review, adjust and verify workflow data from anywhere within a network



CellaVision Proficiency Software

Makes it easier to set-up a integrated process for proficiency assessment and competency promotion



CellaVision DM9600

Loading capacity:
96 slides, with continuous feed

Throughput:
Approximately 30 slides / h



CellaVision Image Capture System*

Makes it possible to cost-effectively connect a small lab to the automated Digital Cell Morphology workflow of a larger laboratory



CellaVision CellAtlas

A free app that helps promote learning and competency in the area of cell morphology

Empowering labs all over the world

For the past 15 years we have helped hematology labs all across the world to automate, simplify and modernize the process of performing blood and body fluid differentials. Read some of these inspiring implementation stories on www.cellavision.com/stories

"With CellaVision, our ability to detect malignant cells has greatly improved and as a result, our labs now deliver more reliable result reporting that better guide patient care."

Mr. David Langstaff
Assistant Vice-President, Hamilton Hospital, Canada



"The implementation of digital cell morphology has enabled us to improve the quality of morphological results while speeding up testing and enhancing service levels."

Dr. Edwin van Mirre
Clinical Chemist, Hospital Amstelland, The Netherlands



"By implementing CellaVisions technology, we have equipped our lab with an efficient pathology filter that transforms and modernizes the process of performing cell differentials."

Dr. Jurgen Riedl
Haematology Manager, Albert Schweitzer Hospital, The Netherlands





We lead the way in Digital Cell Morphology

CellaVision is the world-leading provider of digital solutions for medical microscopy in the field of hematology. We offer a proven technology that replaces or complements the microscope to create an automated digital cell morphology workflow. Our method has been adopted by forward-thinking laboratories all over the world and is proven to reduce turnaround time, enhance the degree of standardization and improve quality.

Want to learn more?

Visit www.cellavision.com to learn more about how Digital Cell Morphology can transform your hematology workflow, and to find out how to contact us or one of our distributors.