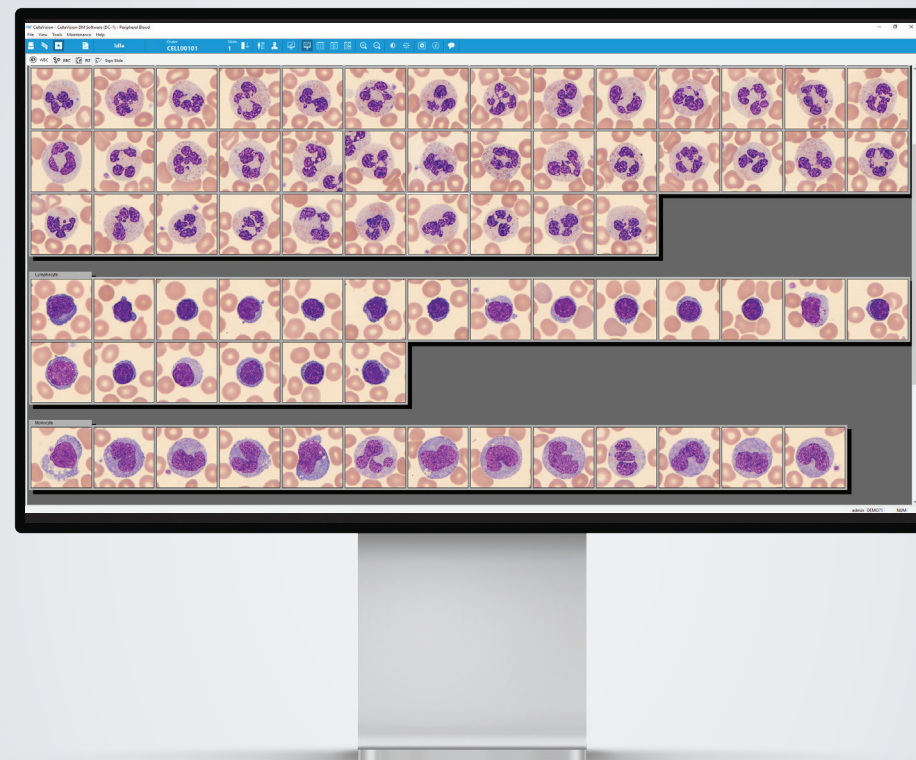# CellaVision® Peripheral Blood Application

CellaVision Peripheral Blood Application enables laboratories to automate, standardize and simplify morphological examination of peripheral blood smears.

The application supports:

• **WBC Differential;** by delivering a comprehensive pre-classification into 17 cell types

• **RBC Review;** by delivering a pre-characterization based on 6 morphological characteristics

• **Platelet Review;** by offering functionality for platelet estimation

• **Feathered Edge overview;** by digitalizing the feathered edge of a slide

When implemented together with CellaVision analyzers and supporting software, CellaVision Peripheral Blood Application speeds up and simplifies the review process while delivering more standardized results.

Features

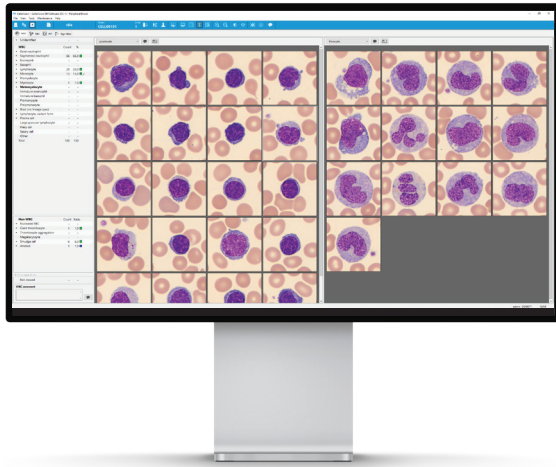|			
View cell classes side-by-side, or all cells in a full screen view	**Adjust magnifications** of cell images	**Compare cells with reference cell images** from a built-in reference library	**Tag or add comments to any slide**, cell class, or specific cell
Share slides and cell images with colleagues for collaboration and consultation	**Export and email cell images** for consultation, validation or presentation	**When re-classification is needed**, cells are easily dragged and dropped into the appropriate cell class	**Archive cell images** as part of the patient's image / medical history

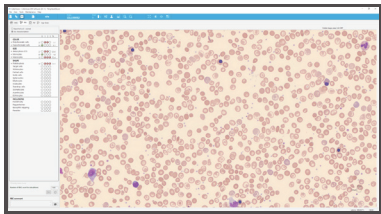**EVOLVING MICROSCOPY | ELEVATING HEALTHCARE**

How does it work?

- The software extracts cell features from digital images and delivers a pre-classification/pre-characterization of cells using innovative AI technology
- The pre-classification/pre-characterization is then reviewed and verified by a Medical Technologist
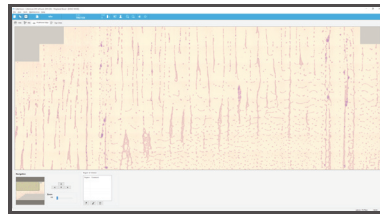
Why CellaVision Peripheral Blood Application?

CellaVision Peripheral Blood Application takes the "manual" out of the manual differential:

- Automated pre-classification/pre-characterization speeds up the review process
- Standardized operational procedure and validation process promotes consistency
- Innovative functionalities and integrated tools promote analysis accuracy

RBC overview

Feathered edge view

CellaVision® Peripheral Blood Application — Technical Specifications

SLIDE PREPARATION METHODS (WEDGED)

- Automated slide maker and stainers
- HemaPrep® automated blood smearing device
- Manual smears
- RAL SmearBox
- RAL StainBox and RAL Stainer

STAINS

Romanowsky stains
- May Grünwald Giemsa
- Wright Giemsa
- Wright
- RAL MCDh

RESULT PARAMETERS

- WBC pre-classification: Segmented and Band Neutrophils, Eosinophils, Basophils, Lymphocytes, Monocytes, Blast cells, Promyelocytes, Myelocytes, Metamyelocytes, Lymphocyte, variant form, Plasma cells and Unidentified
- Non WBC pre-classification: Smudge, Artefacts, Giant Thrombocyte, Thrombocyte aggregation, Nucleated RBC
- RBC pre-characterization: Automated pre-characterization of Aniso-, Micro- and Macrocytosis, Polychromatic cells, Hypochromatic cells and Poikilocytosis is performed in an overview image corresponding to eight high power fields (100x)
- PLT estimate: The graphical user interface allows manual estimation of the PLT concentration, corresponding to eight high power fields (100x)
- User has the ability to add additional cell classes for manual re-classification

ANALYZERS

- CellaVision® DM1200
- CellaVision® DM9600
- CellaVision® DC-1

Specifications are subject to change without notice. This product may not be available in all markets.

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