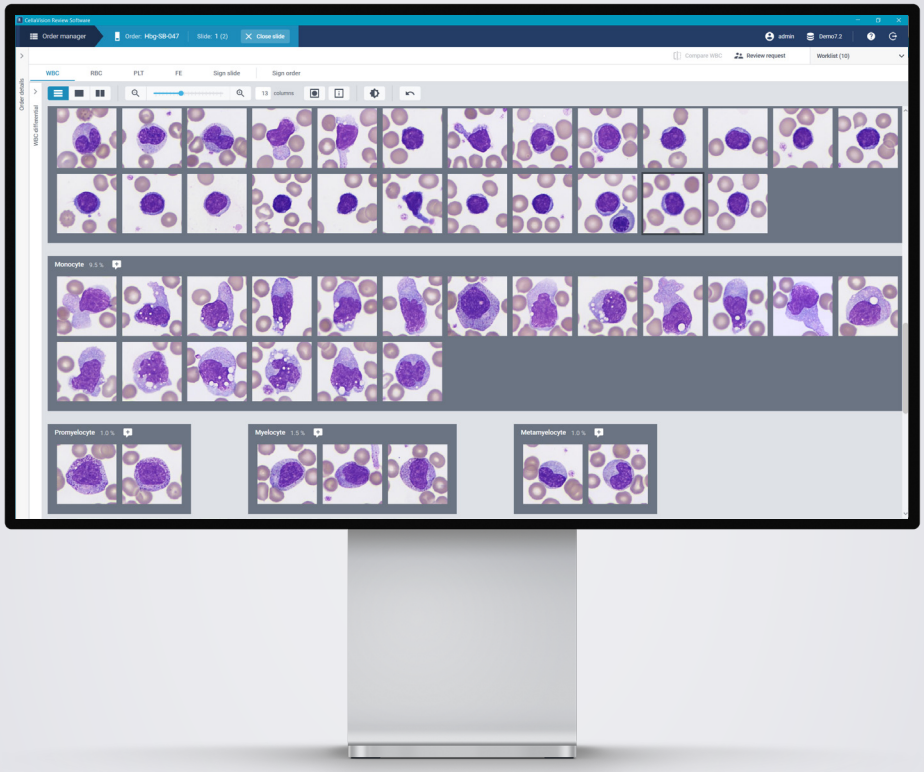
CellaVision® Peripheral Blood Application

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

Compare cells with previous results, side by side, using split view

View Rümke table of cell counter and cell morphology data, as part of the analysis

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

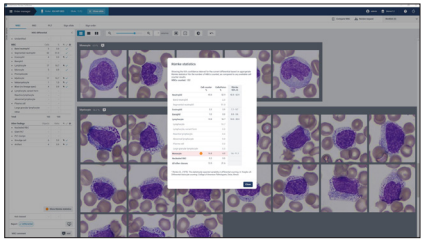
How does it work?

- 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:

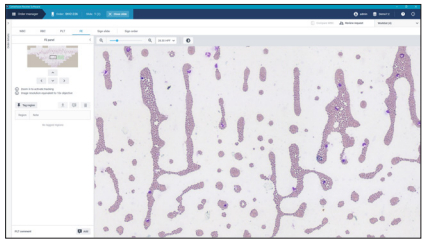
- Automated pre-classification/pre-characterization speeds up the review process
- Standardized operational procedure and validation process promotes consistency
- Innovative functionalities and integrated tools promote analysis accuracy



Dynamic Rümke table available

Side-by-side comparison

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
- Other objects pre-classification: Smudge, Artefacts, Giant PLT and PLT clumps, 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.

MM-054-01 2025-03-27