CELLAVISION

CellaVision® Advanced RBC Application

The CellaVision Advanced RBC Application acts a complement to the CellaVision Peripheral Blood Application – enabling labs to perform a more comprehensive review of RBCs as part of the morphological examination of peripheral blood smears.

The application supports:

- **RBC Differential;** by delivering a comprehensive pre-characterization based on 21 morphological characteristics

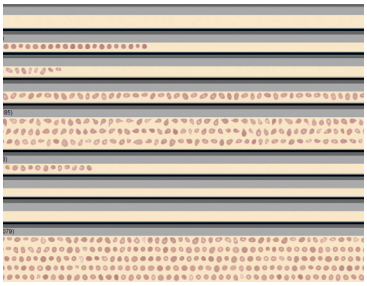
When implemented together with CellaVision analyzers and supporting software, the CellaVision Advanced RBC Application speeds up and simplifies the review process while delivering more standardized results.

How does it work?

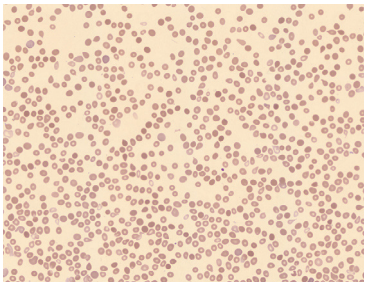
- The software extracts cell features from digital images and delivers a pre-characterization of RBCs using innovative Artificial Neural Network technology
- The pre-characterization is then reviewed and verified by a Medical Technologist

Why CellaVision Advanced RBC Application?

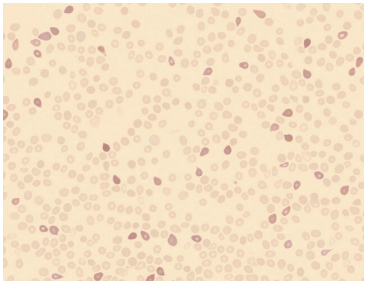
CellaVision Advanced RBC Application offers a completely new way to review erythrocyte morphology



View cells grouped by shape, size, color, and inclusion characteristics



Or view cells in a high resolution image, including all the cells...



...or highlighting just one selected cell category

Features:

- Easy to switch views to enable single cell filtering and grouping
- Adjust magnification of cell images
- Compare cells with example cell images from a built-in image library
- Tag or add comments to any slide
- Share slides and cell images with colleagues for collaboration and consultation
- Change grading manually if re-characterization is needed
- Archive cell images as part of the patient's image / medical history

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TECHNICAL SPECIFICATIONS

SLIDE PREPARATION METHODS (WEDGED)

- Automated slide maker and stainers
- HemaPrep®/MiniPrep® automated blood smearing device
- Manual smears

STAINS

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

RESULT PARAMETERS

- RBC pre-characterization: Automated pre-characterization of Polychromatic cells, Hypochromatic cells, Anisocytosis, Microcytes, Macrocytes, Poikilocytosis, Target cells, Schistocytes, Helmet cells, Sickle cells, Spherocytes, Elliptocytes, Ovalocytes, Tear drop cells, Stomatocytes, Acanthocytes, Echinocytes, Howell-Jolly bodies, Pappenheimer bodies, Basophilic stippling and Parasites.
- User has the ability to add additional cell categories for manual re-classification

ANALYZERS

- CellaVision® DM96*
- CellaVision® DM1200
- CellaVision® DM9600

*** Subject to camera and system computer compatability**
Specifications are subject to change without notice. This product may not be available in all markets.

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