



VideoTesT-Morphology

Image Analysis in biology and medicine

VideoTesT-Master (Morphology) software provides enhancement and measurement of the images acquired with a CCD camera installed on the microscope. The analysis data are processed statistically. The images and data can be stored in VideoTesT-Album Image Database. VideoTesT-Master (Morphology) can be used as general-purpose image analysis software. It also includes several pre-installed methodics (macros) for specific biomedical applications.



VideoTesT-Master (Morphology) main functions:

- Image acquisition with CCD camera or scanner, open images from files, paste them from the clipboard
- Image enhancement and annotation
- Manual measurements of linear parameters and angles
- Automatic and manual objects' thresholding and segmentation
- Automatic measurement, recognition, and classification of the objects
- Statistical treatment of the analysis data
- Stereology analysis
- Data export to MS Excel for additional statistical treatment
- Save images to .bmp, .pcx, .tiff, .gif, .jpeg files
- Print images and data
- Six pre-installed methodics (macros): Measure, Count and Measure, Volume Fraction, Platelets Count, Erythrocytes Sizing, NCR
- Ability of user to create, copy and modify macros
- VideoTesT-Album 3.0 image database included

VideoTesT-Master (Morphology) includes 6 pre-installed methodics (macros):

Measure

Objects' thresholding and measurement.

Count and Measure

Objects' thresholding, measurements, and automatic classification.

Volume Fraction

Thresholding the image phases. The thresholded phases are measured, and the area percentage of different phases is calculated.

Platelets Count

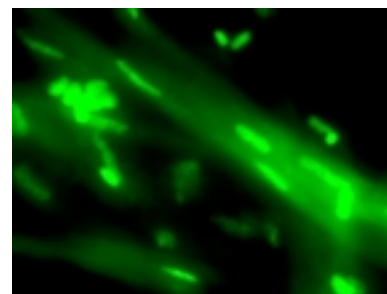
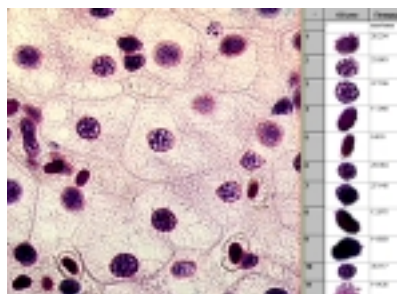
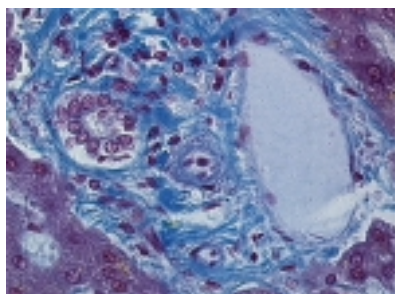
Thresholding the erythrocytes and platelets, their recognition and count.

Erythrocytes Sizing

Thresholding the erythrocytes, their measurement and classification by size.

Nuclear-Cytoplasm Ratio (NCR)

Calculation of the area ratios (nucleus to cytoplasm).



VideoTesT

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