

Hematometrics are computerized tools to help pathologists analyze tissues.

VirtualFlow™ is a hematometrics-based diagnostic tool to assist pathologists and scientists to analyze digital microscopy color images. Just save a 20x color jpeg image in your computer and open the image to analyze using the following 10 application modules. Easy, fast, accurate. No more estimate or approximation: get objective and useful results. Pathologists remain the diagnostician using help from hematometrics tools- an software extension of the microscope akin to a third virtual objective...

Modules:

1 AutoBM Cellularity- converts Bone Marrow section to digital form with Cell :Fat ratio percentage;

2 AutoPlasmacellsBrown- converts a CD138 brown-stained bone marrow section to a digital form with percentage of plasma cell results along with bone marrow cellularity.

3 AutoPlasmacellsRed- converts a CD138 red-stained bone marrow section with brown precipitates to a digital form with percentage of plasma cell results along with bone marrow cellularity.

4 AutoBMVirtualFlow-converts Bone Marrow Immunohistochemistry to Flow Cytometry Results

5 AutoReticulin- converts a reticulin stained bone marrow section to a digital form with reticulin fibrosis grade 0-4 results

6 VirtualFlow - converts any tissue immunostained section to a digital form with percent positive, negative, and total cells displayed as Flow Cytometry-like dot plots.

7 VirtualFlow100- - converts back to back immunostained section to a digital form with percent positive, negative, and total cells displayed as Flow Cytometry-like dot plots.

8 AutoReedSternberg - converts CD30 immunostain to percent Reed Sternberg cells among background lymphocytes

9 AutoTumorCa - converts immunostained carcinoma biopsy sections to digital form with automated counts of total tumor burden.

10 AutoFluor - is a fluorescent image module designed to quantify the intracellular antigens on a per individual cell basis. It provides the total number of cells examined with the corresponding cell antigens content.