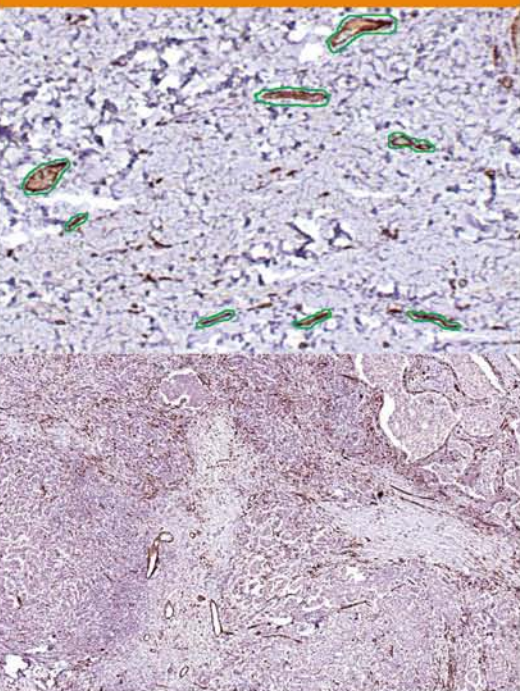


Microvessel Density Analysis



Ariol[®]

Automated scanning, quantification,
and characterization of blood vessels
stained with endothelial markers for
the study of angiogenesis

Powerful Microvessel Density Analysis

Ariol is able to quantify image data impossible to score via manual analysis, ultimately allowing better research:

Fast and easy scoring of vessels at both 5x and 10x magnification

Increased accuracy compared to manual counting






Measure and report lumen size, number, and area


Connect and count continuous vessels as one object


Set scoring thresholds to gate out both large and small objects

Microvessel Density Analysis

Example Workflow

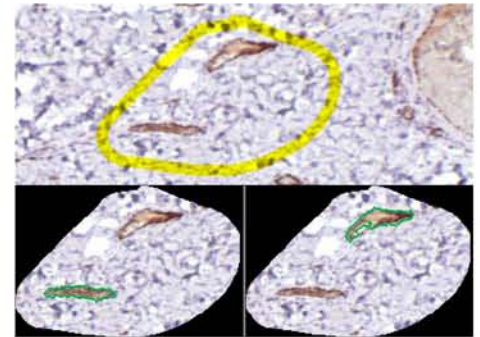
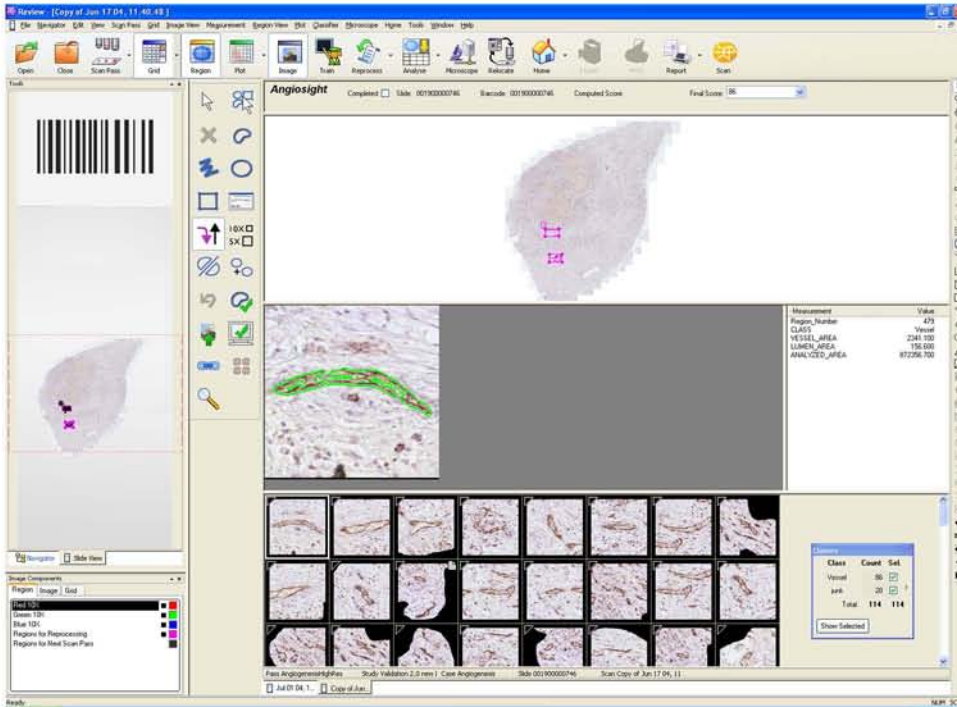
-  System retrieves case information via barcode, loads slide onto stage, pre-scans at 1.25x to locate tissue, and then auto scans at 5x or 10x
-  User selects the region of interest to analyze
-  System automatically analyzes selected area
-  User reviews the data to accept the microvessel count as is or to fine tune it by gating objects in/out with size thresholds or manually joining or splitting vessels
-  System generates report

 Time saving steps when system runs unattended

 User interactive steps

Ariol[®]

Automation for improved workflow with fast and accurate results



Edges of vessels are determined automatically giving you instant results.

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Ariol gives you speed and accuracy that cannot be achieved with manual analysis. The system quickly and accurately quantifies the number of positively stained vessels and their density per area is expressed in square microns. The area of staining, and of the lumen if present, is calculated for each vessel.