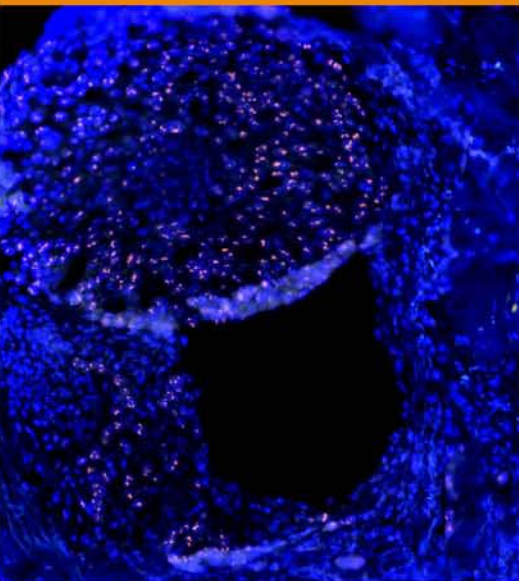


Tissue FISH Analysis



Ariol[®]

Automated scanning and spot counting of fluorescent in-situ hybridization signals in interphase cells in tissue sections

Advanced Tissue FISH Analysis

Ariol breaks new ground in the accurate analysis of tissue FISH samples with novel tools to automate this challenging sample type:

Validated by Applied Imaging to run the Vysis PathVysion™ assay for HER-2/*neu*

Powerful tissue FISH analysis at 40x, 60x, or 100x magnification

Automatically select the analysis region of a tissue FISH slide using Slide-Link™ by selecting the area desired on a serial slide section stained for H&E








Integrated Z-Stack™ control for multi-plane imaging and superior spot detection throughout tissue



Fast and automatic identification and segmentation of DAPI cell boundaries

User trainable classifiers for DAPI intensity and fluorochrome color, size, shape, and brightness allow customization of the analysis to match manual scoring

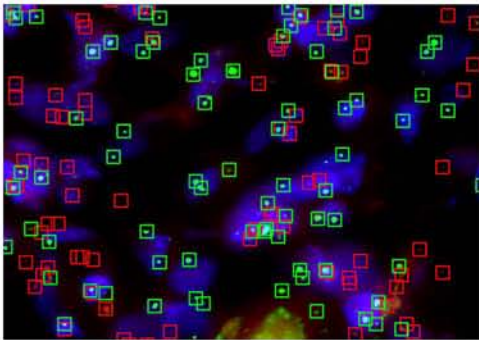
Sort captured cells or regions based on size and shape parameters and display them in a gallery view

Example Workflow

-  System retrieves case information via barcode, loads slide onto stage
-  User selects the regions to scan at 40x
-  System auto-scans selected regions at the magnification requested
-  User selects the most appropriate of three scoring methods to analyze the sample
-  System automatically performs cellular analysis and FISH spot counting
-  User reviews the spot counting ratio and verifies the results
-  System generates report

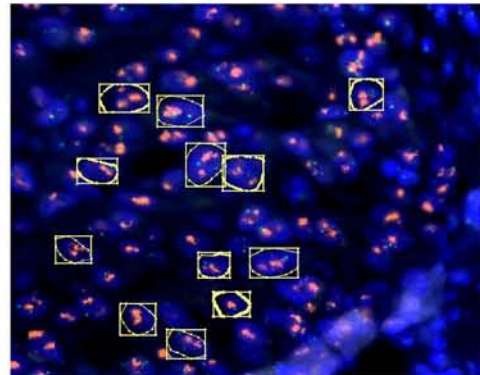
 Time saving steps when system runs unattended  User interactive steps

Ariol gives you three methods of scoring

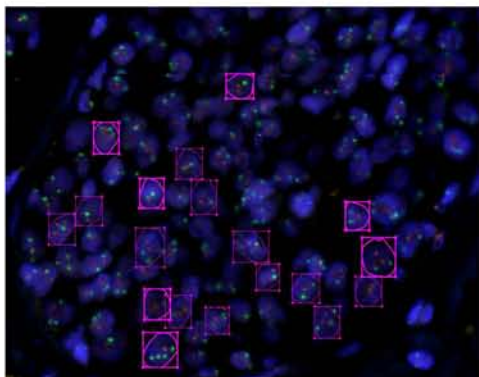


Regional analysis simply counts the signals within a defined region and expresses a signal ratio.

Regional analysis with automatic cell segmentation separates the signals by DAPI boundaries.



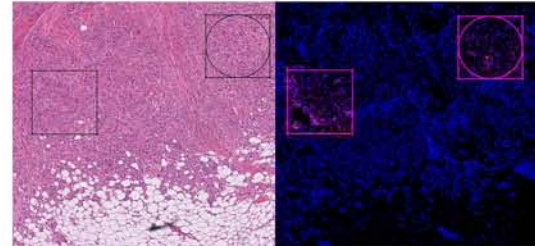
User selected cellular analysis allows individual picking of the cells for automatic FISH analysis.



Tissue FISH Analysis



Ariol for **fast, consistent and accurate** scoring of tissue FISH assays



Using Slide-Link™ to choose regions for scoring on the H&E slide ensures the tumor area is analyzed on the FISH slide.

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