



Ikonisoft® explorer

Go farther than ever before

AUTOMATED CELL SUSPENSION FISH SCANNING

For Research Use Only. Not for use in diagnostic procedures.

ikonisys

FINDING THE CELLS THAT MATTER

Would you rather be scanning, or e

Make cell suspension FISH assays faster and easier. Automate their scanning and analysis with the Ikoniscope® Digital Microscopy System and its powerful, user-definable Ikonisoft®* explorer application.

Versatile Ikonisoft explorer allows you to establish your own scanning and analytical parameters, simplifying complicated, labor-intensive hematopathology and other cell suspension FISH assays.

Ikonisoft explorer is designed for use with the Ikoniscope, a robotic walk-away microscopy system for whole slide digitization and analysis. By automating imaging and initial analysis of FISH slides, you'll reduce subjectivity, enhance quality and consistency, and improve turn around time.

Get unprecedented scanning versatility with Ikonisoft explorer

- Fully user-definable software lets you program all FISH scanning and analytical parameters, for multiple areas on a single slide.
- Each probe channel can be programmed for Fusion, Break Apart, or Bleed-Through. Spatial parameters and scanning configurations are also user-definable.
- Allows scanning and analysis of multiple FISH probe sets (up to five probes each), making a complex classification process much more robust.
- With both low and high magnification scanning options, provides exceptional scanning flexibility.
- Save the applications you create for future use.

Spend less time setting up your application and more time exploring the results!

Ikonisoft® explorer



Exploring results?

User-friendly Ikonisoft explorer makes setting up new applications fast and easy.

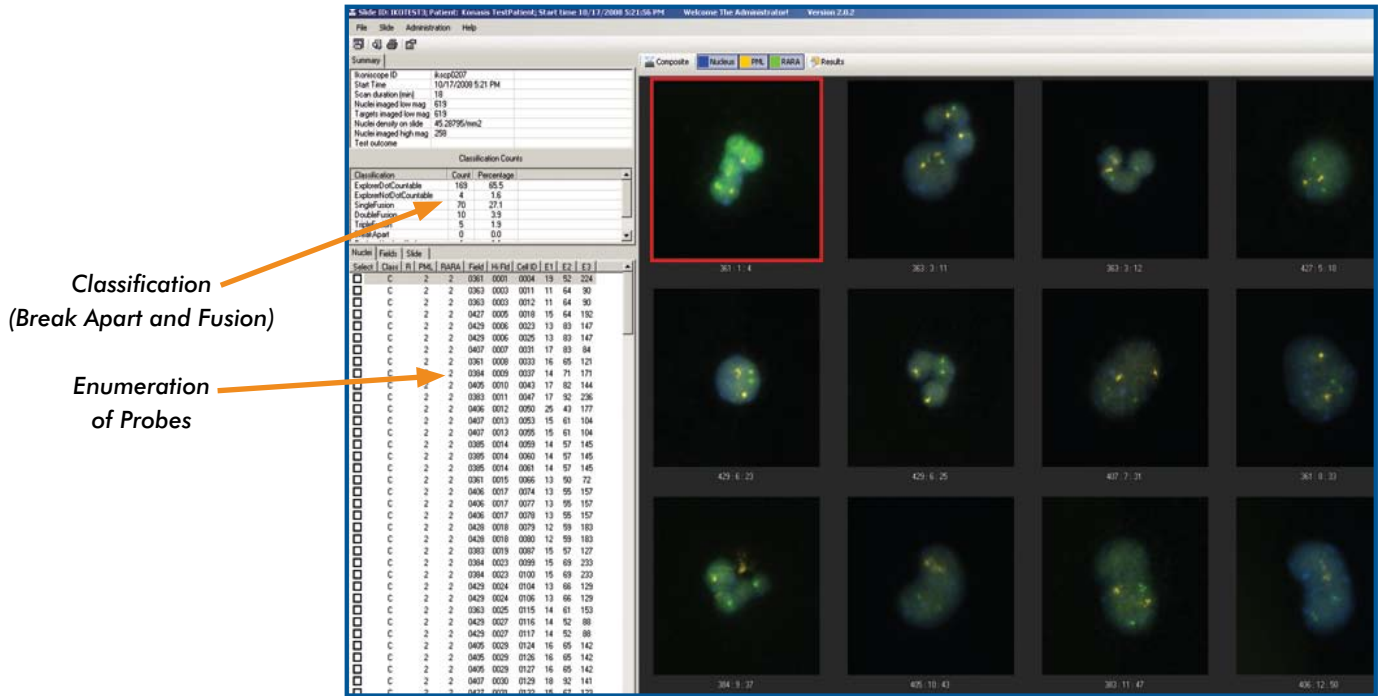
The screenshot shows the Ikonisoft Explorer software interface. The main window is titled "Ikonisoft Explorer" and includes a version number "Version 1.0.1.0B1114". The interface is divided into several sections:

- Left Panel:** Contains "Select Depositions" (set to 1), "DPI" settings, "Select Application" (set to BCR_ABL_+9q), and "Patient Details" (First Name, Last Name, Specimen Type, Accession, Indication).
- Top Panel:** Contains "Select Scans" (set to 2), "Sample Type" (set to Cell Suspension), "Objective Power" (set to 40x), and "Number of Channels" (set to 4).
- Main Panel:** Contains four channels (Channel 1 to Channel 4) with various settings for Structure, Filter Set, Auto Focus Method, Exposed (Auto/Manual), Auto Exposure Method, and Dot Counting Method.
- Bottom Panel:** Contains "Scanning Configuration" with settings for Number of Slices (set to 3), Target Selection (set to Nucleus 40x), Target Classification (set to FISH Classification), Fusion Definition (set to Center to Center Distance), Stop Condition (set to Stop After N of Targets), Number of Targets (set to 250), Visit Sequence (set to Descending Nucleus Size), and Use Maximize Target Count Field (unchecked).

Callout arrows point to the following settings:

- Define slide type (points to Select Depositions)
- Identify structure of interest (points to Structure dropdown in Channel 1)
- Select filter sets (points to Filter Set dropdown in Channel 1)
- Select focusing methodology (points to Auto Focus Method dropdown in Channel 1)
- Select auto exposure method (points to Auto Exposure Method dropdown in Channel 1)
- Select dot counting method (points to Dot Counting Method dropdown in Channel 1)
- Select bleed-through correction (points to Bleed Through checkbox in Channel 1)
- Define spatial characteristics of Fusion or Break Apart probes (points to Fusion Definition dropdown in Scanning Configuration)
- Define number of focal planes that Ikonisoft explorer will acquire in high magnification (points to Number of Slices in Scanning Configuration)
- Define manner in which Ikonisoft explorer returns to objects of interest in high magnification (points to Visit Sequence dropdown in Scanning Configuration)

Preliminary Analysis of Nuclei



Example of viewable results for Abbott LSI® PML/RARA dual color, dual fusion translocation probe assay in normal human blood. The PML gene is labeled in SpectrumOrange®. The LSI RARA gene is labeled in SpectrumGreen®.

Ikoniscope Digital Microscopy System

Change the way you FISH

Fully automate FISH analysis with the Ikoniscope® Digital Microscopy System

The Ikoniscope and its applications automate existing routine clinical tests and enable new tests for early detection of abnormal and rare cells.

With true walk-away functionality and no darkroom requirement, it goes far beyond other systems to improve workflow, speed turn-around time and provide capacity for a larger menu of diagnostic tests. And by eliminating labor-intensive manual tasks, it provides a real solution to the shortage of laboratory professionals, allowing them to focus on interpreting results.

Fully automated diagnostic applications include assay-specific Ikonisoft® software for image analysis and algorithmic classification of cellular nuclei.

- oncoFISH® her2—automates PathVysion® analysis
- oncoFISH® bladder—automates UroVysion® analysis
- fastFISH® amnio—automates AneuVysion® analysis

More applications are constantly being added—visit our website at www.ikonisys.com for the latest!

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