

GenASIs Capture & Analysis FISH

FISH Analysis Technology

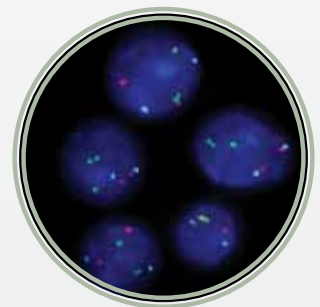
GenASIs Capture & Analysis includes a powerful analytic aid for disease and disorders such as hematological malignancies, breast tumors and bladder cancer. Analysis is achieved using genetic markers such as HER2/neu, ALK, UroVysion, PTEN and BCR/ABL. Computer aided analysis, documentation and reporting are valuable tools in obtaining, sharing and reporting accurate and more reliable FISH results.

GenASIs Capture & Analysis FISH offers clinicians an easy-to-use and flexible FISH image capture and analysis platform by providing enhanced images revealing information unavailable when using traditional microscope viewing. The system also preserves the original captured (non-enhanced) images which are managed by the platform's case data management system (CDM). Images, patient information and reports are managed by the GenASIs integrated CDM module, ensuring complete and accurate reference and documentation.

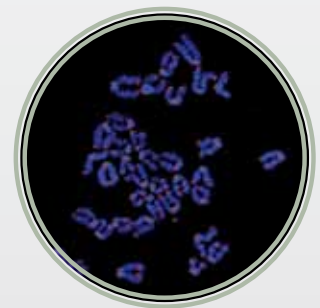
Advancement in FISH technology, new tests and biomarkers increase the value and benefits of using GenASIs Capture & Analysis FISH for computer aided clinical analysis.

Highlights

- Fast and accurate image analysis
- Sensitive algorithms ensure high success rate of cells detection, as well as signals detection and analysis
- Advanced tools for user intervention for image enhancements.
- Cells classification tools based on pre-defined and customizable classes (for the benefit of new tests and biomarkers)
- Cells statistics for further analysis based on cumulative data.
- Customizable reports including manually added information (e.g. annotations, notes and clinical observations)
- Integrated infrastructure to support centralized documentation, archiving and management of clinical and "raw" data.



3-Color Translocation Probe



Telomeric Probes on Mouse Metaphase



Applied Spectral Imaging
Bringing Details to Light

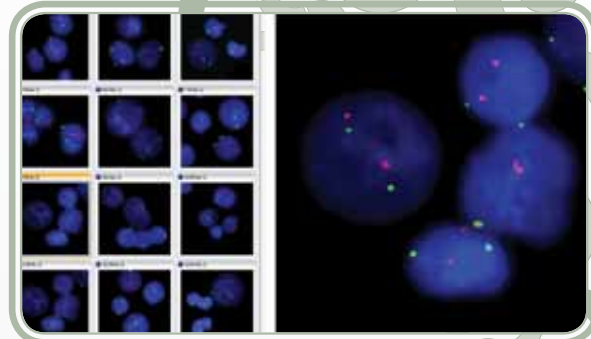
GenASIs Capture & Analysis FISH

Improved Analysis

- Automatic segmentation based on morphological parameters and intensity of DAPI layer
- User defined cell classification based on signal count or amplification ranges
- Detects and enumerates small and faint signals

Case Data Manager

- Gallery display of detected cells with corresponding statistics
- Entire frames with selected embedded cells
- "All-in-Focus" images, showing all signals clearly in a single view
- Signal separation display - enables clear view of all filtered layers of each cell simultaneously



Gallery Review

Faster Throughput with Automation

- Enhanced 3D data including automated Z stacking and focus mechanisms
- Automatic XY coordinates
- Supports multiple filters and automated filter wheels

GenASIs mCounter - Unique to ASI

The interactive wireless counting pad for FISH samples, seamlessly integrated into ASI's FISH application.



Highlights:

- Cost-effective
- Blind counting
- Spot counting for numerical changes
- Cell type classification
- Instant statistics for customized reports
- Audible feedback

FDA Cleared for Clinical Use


Applied Spectral Imaging
Bringing Details to Light

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