

GenASIs Scan & Analysis PTEN

Four Color FISH for Prostate Cancer

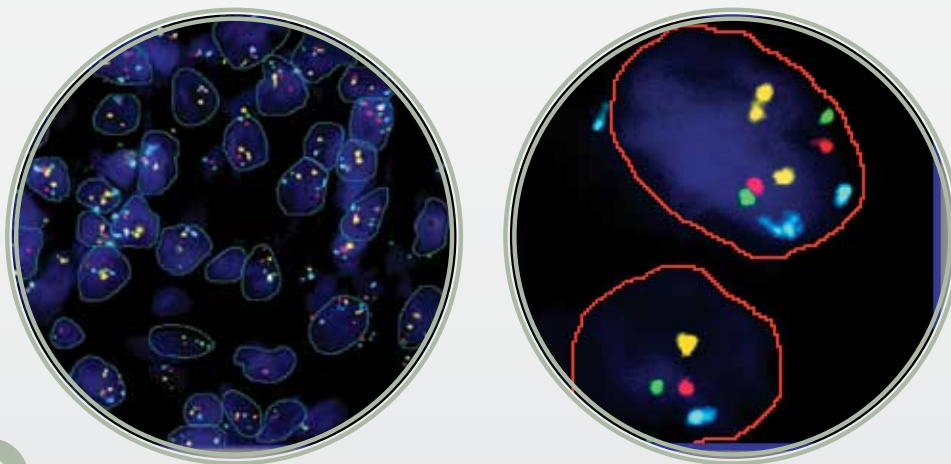
GenASIs Scan & Analysis PTEN a computer-aided FISH solution which aids in the evaluation of persons suspected of having prostate cancer. PTEN is one of the most commonly lost tumor suppressor genes in human cancer. For example, up to 70% of prostate cancer patients lost one copy of the PTEN gene by the time of diagnosis.

GenASIs captures the sample via the pathologist's microscope, and provides accurate, repeatable and standardized analysis of the chromosome aberrations, thereby saving time and improving the diagnostic process.

With GenASIs, pathologists can focus more time on the professional aspect of the case, while relying on computer-aided tools for quantitative analysis.

Slide Capture:

- Full frame capture, each containing about one hundred cells, with Z-stack.
- Fully focused images showing all signals
- Unique color contrast enhancement capabilities
- 3D data optionally saved for review.



Cell zoom view

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Automated Segmentation

- Interactive free-hand definition of tumor regions, including recursive region-in-region inclusion for complex tissue morphology
- Automated segmentation of very dense prostate samples
- Option to define, segment and modify cell contours

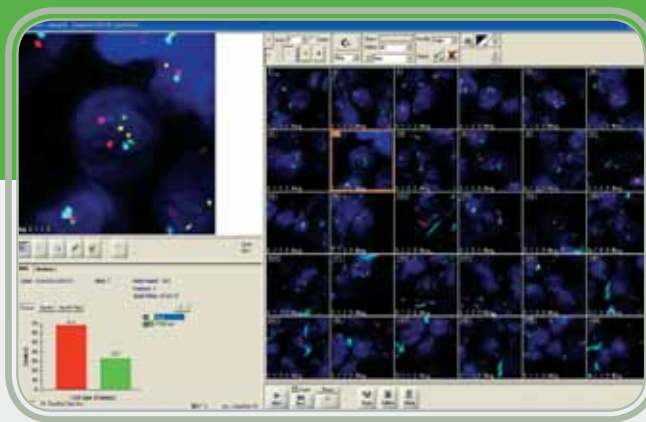
Accurate Analysis

- Detection of faint signals in noisy and on non-uniform background
- Restriction of cell detection to any user definition, e.g. 'at least one green signal per cell'
- Review using the "All-Signals-In-Focus" images or the actual 3D image set
- Exceptional image color contrast enhancement for fast validation of cell classifications.
- Multiple side-by-side cell view In gallery, such as original view, enhanced view and single probe view.



HIGHLIGHTS

- Reduces case time
- Higher clinical accuracy
- Automated cell analysis
- Cell gallery and reporting tools in Case Data Manager



PTEN Analysis using GenASIs Scan & Analysis

For research purposes only, not intended for diagnosis and therapeutic use.



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