GenASIs Scan & Analysis CTC

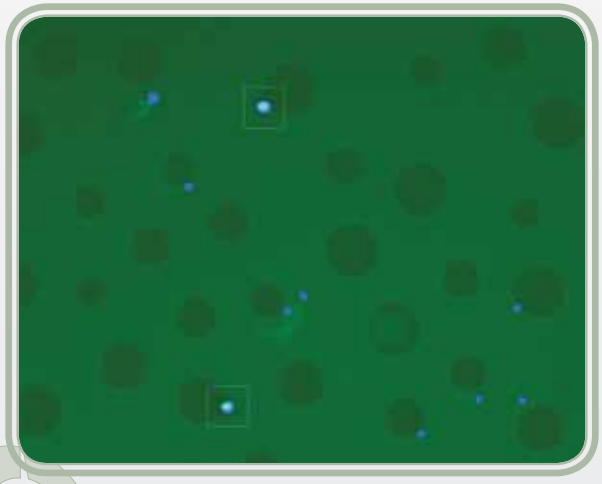
Circulating Tumor Cells (CTC) Analysis

GenASIs Scan & Analysis - CTC is a combined imaging hardware and software solution for the automatic detection of rare cells under bright field and fluorescent illumination.

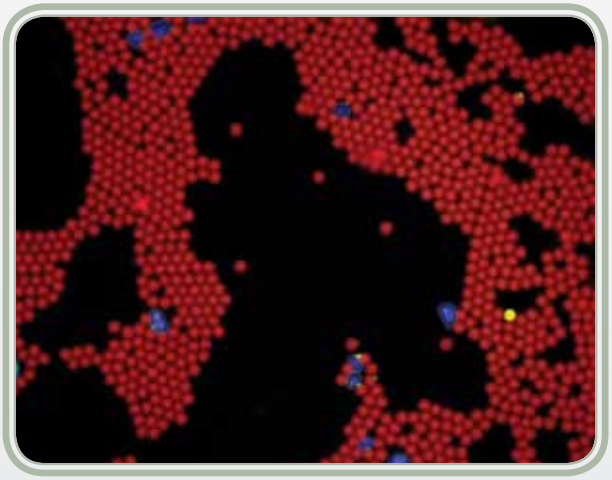
ASI's solution provides unprecedented automated detection and analysis of CTCs and other rare cells. Locating CTC target cells within the wide population of background cells is achieved by a combination of cutting-edge applications, which use computerized image analysis to automatically scan and detect rare cells. Superior imaging results are achieved with optimized scan time, 3D Z-stack and multiple color layers.

Target cells labeled with FISH or other markers are detected, analyzed and reported. The system enables effortless, high-throughput automated scanning of up to 81 slides with accurate detection and classification of multiple cell types simultaneously.

GenASIs Scan & Analysis - CTC is also invaluable for the field of oncology where target cells are circulating in body fluids



Two CTC Targets
Automatically Found



FISH Stained CTC Cells
Detected and Classified

Applied Spectral Imaging
Bringing Details to Light

GenASIs Scan & Analysis CTC

Capture and Flow:

- Fastest scan starting from 4x objectives
- User defined scanning flow to enable multiple successive scanning steps
- Support scanning of deep chambers with wide Z-stack range
- Supports large variety setups and slide/chamber configurations
- Enables multiple relocation to detected CTC cells after their re-staining

Analyze:

- Accurate CTC cell detection based on immunostain, FISH signals and nucleus morphology
- Robust cell detection even in samples having highly variable cell intensity
- Handles background and sample non-uniformities
- Powerful detection of faintest FISH signals
- Automatic cell classification based on signal pattern and level of antibody

Review:

- Gallery-based cell review
- One click relocation to any cell for live-view or eye-piece review
- Full editing capabilities

For research purposes only, not intended for diagnostic or therapeutic use.

Applied Spectral Imaging
Bringing Details to Light

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