Rainbow reveals the spectrum of every pixel in the image, providing advanced analysis tools to extract quantitative spectral and morphological information on cell biology.
Differentiate
Uncover chemically similar areas hidden to the eye, create color-coded maps and compare the chemical makeup of components

Separate
Separate spectral components to view them as individual layers. Detect and classify objects, based on quantitative morphological and spectral content

Quantify
Un-mix spectral components and remove background and auto-fluorescence for accurate, quantitative expression at every pixel

See Beyond the Visible

- Wide spectral range
- Non-polarized light
- High spectral resolution
- Adjustable spectral resolution
- Fully Automated
Identify True Physical and Component Characteristics

Investigate, Uncover, Classify

Spectral range twice as wide as the visual range, revealing hidden information

Un-mixing of multiple colors, resolving co-localized image components

Removal of background signals in Brightfield and auto-fluorescence and enhancement of cluttered signals

DAPI CY3 – S6/Pcad CY5 - NAKATPASE CY2 - SMA CY7 – PCK26

Dye 1: 505
Dye 2: 554
Dye 5: 605
Dye 6: 624
Dye 7: 670
Dye 8: 723
Dye 9: 775
DAPI
Unveil a World of Research for a Wide Range of Applications

- Cell Biology
- Multicolor IHC
- Immunology
- Stem Cells
- Pharmaceutical
- Cell Identification
- Bacteriology
- Infectious Disease
- Pathology

Drug Delivery

Stem Cell

Apoptosis

Liposome

PAP Smear

CLL - Hematology

Objective Cell Identification – Prostate P.I.N.
Interferometer-Based Electro-Optical Hyperspectral Solution

A cutting edge dual-mode optical system, allowing both interferometer-based image capture for 3D hyperspectral imaging and direct view mode for high resolution 2D image capture.

Simultaneous measurement of spectra at each and every point

See Beyond the Visible

All information in a single scan

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<th>Microscope Support</th>
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<td>Upright and inverted microscopes</td>
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<td>400-1000 nm</td>
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<td>3-40 nm</td>
<td>• Hyperspectral capture • Monochromatic imaging</td>
<td>1.3MP (pixel size depends on microscope objective lens)</td>
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Data Management and Connectivity

Modern Paperless Workflow

Central Portal and Database for Clinical and Research Use

- Efficient
- Comprehensive
- Eliminates human error

Case Data Management (CDM)

GenASIs AnyWhere™ for Remote Access

Lab Connectivity Anytime, Anywhere
Review and analyze from any location via a secured network

Remote access, review and analysis

Advanced Reporting

1D/2D Barcode Reader

LIMS Connectivity
- Performance
- Security
- Data Integrity
- HIPAA Compliant