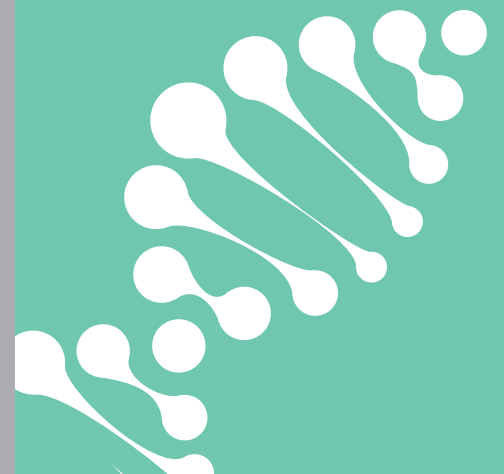




Every
Diagnosis
Counts

HiFISH

Digital FISH Diagnostics



POWERED BY
GENASIS

ASI APPLIED
SPECTRAL
IMAGING

Comprehensive Solution for Digital FISH

Automated Scanning

- Automatic cell and signal detection
- High resolution image acquisition
- Start & walkaway

Digital FISH Analysis

- Onscreen analysis
- Powerful algorithms for accurate classification
- Easy modification and review

View, Manage & Share

- Integrated patient database & LIS connectivity
- Advanced reporting tools
- Remote access



Cutting-edge imaging and analysis for digital FISH diagnostics



Diagnostic Confidence

Accurate computer-assisted analysis provides higher confidence in patient assessment



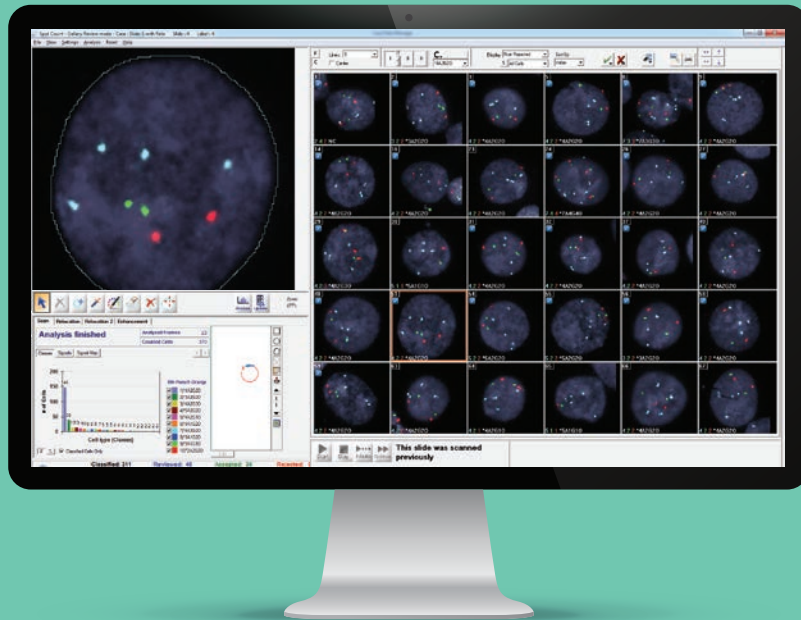
Lab Productivity

Digital workflows enable labor efficiencies and time savings every step of the way



Onscreen Analysis

Onscreen FISH analysis in the light significantly improves technologist user experience



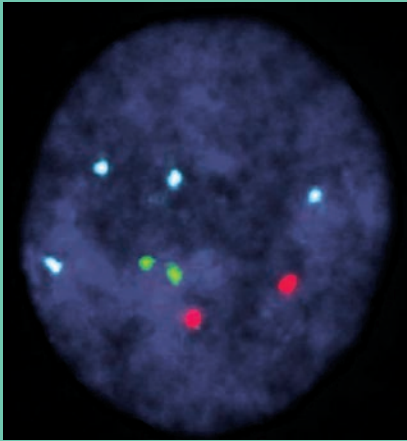
“HiFISH allows us to view much more cells than we would with a manual microscope, which leads to more accurate and reliable results. Manual FISH analysis is also tedious and leads to technologist fatigue but HiFISH never gets tired.”

Dr. Yarin Hadid, Bnai Zion Medical Center

Automatic Slide Scanning

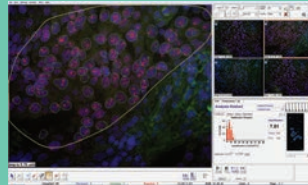
Efficiency, Precision, Versatility

Image Quality Driven to the Max!

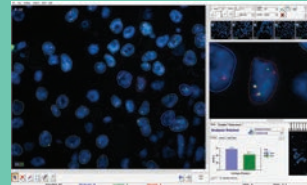


Wide Application Coverage

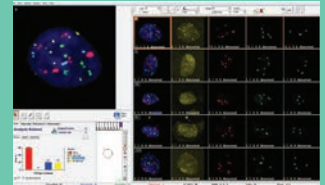
HER2/neu (Breast)



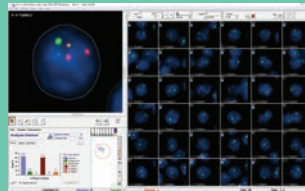
ALK (Lung)



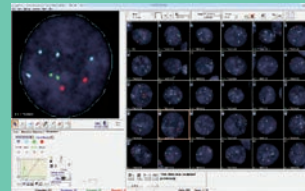
UroVysion (Bladder)



Hematology Fusion



Hematology Enumeration



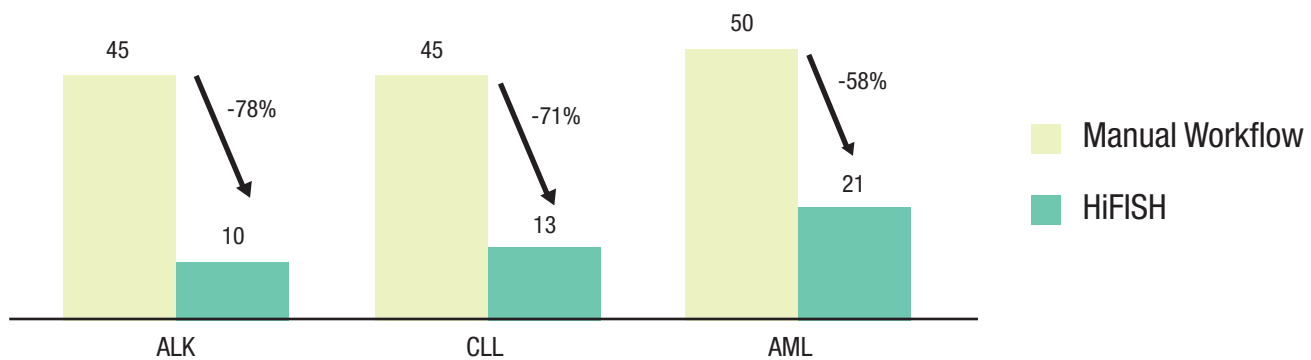
- ✓ Any Sample
- ✓ Any Probe

“Digital FISH analysis provides more efficient and accurate results and better patient care in comparison to traditional FISH methods.”

Liew M, Rowe L, Clement PW, Miles RR, Salama ME., J Pathol Inform. 2016

Increased Lab Productivity

Over 55% Time Savings (Minutes / Case)

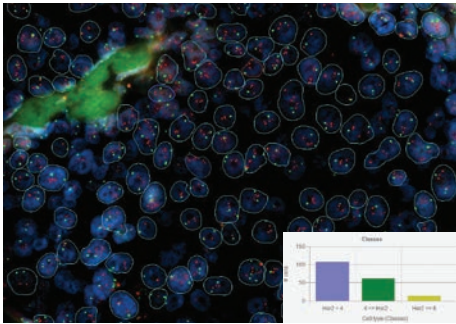


Digital FISH Analysis



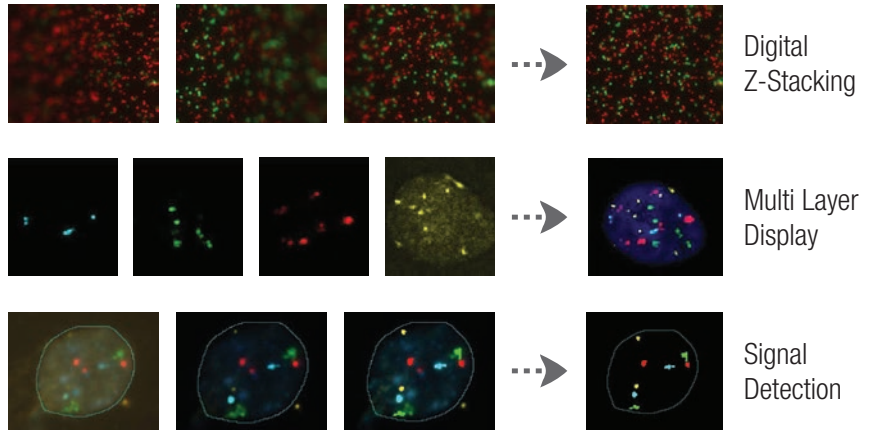
Accuracy, Consistency, Ease-of-Use

Increased Diagnostic Confidence



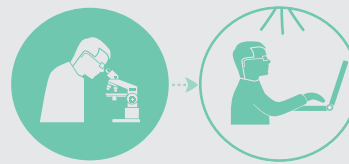
Accuracy

Automated cell/ signal detection and classification for consistent reliable results



Easy Classification & Review

No More Dark Room!

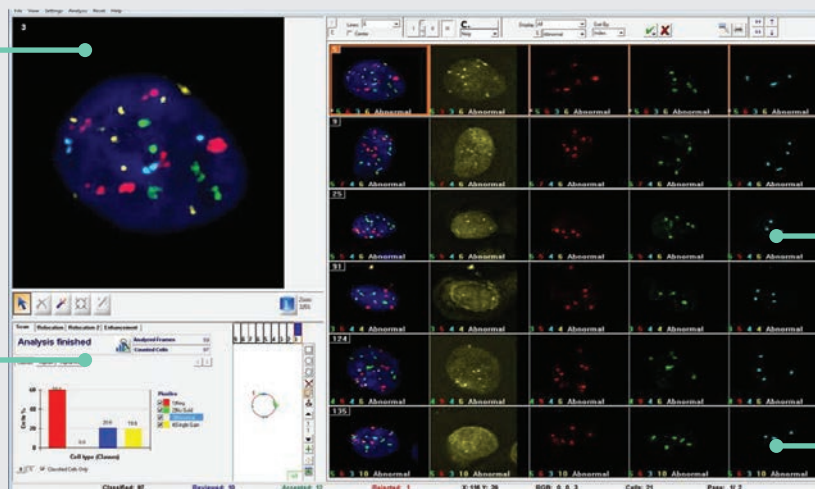


Double Blinded Analysis



High image quality with digital Z-stack of each cell

Real time statistics



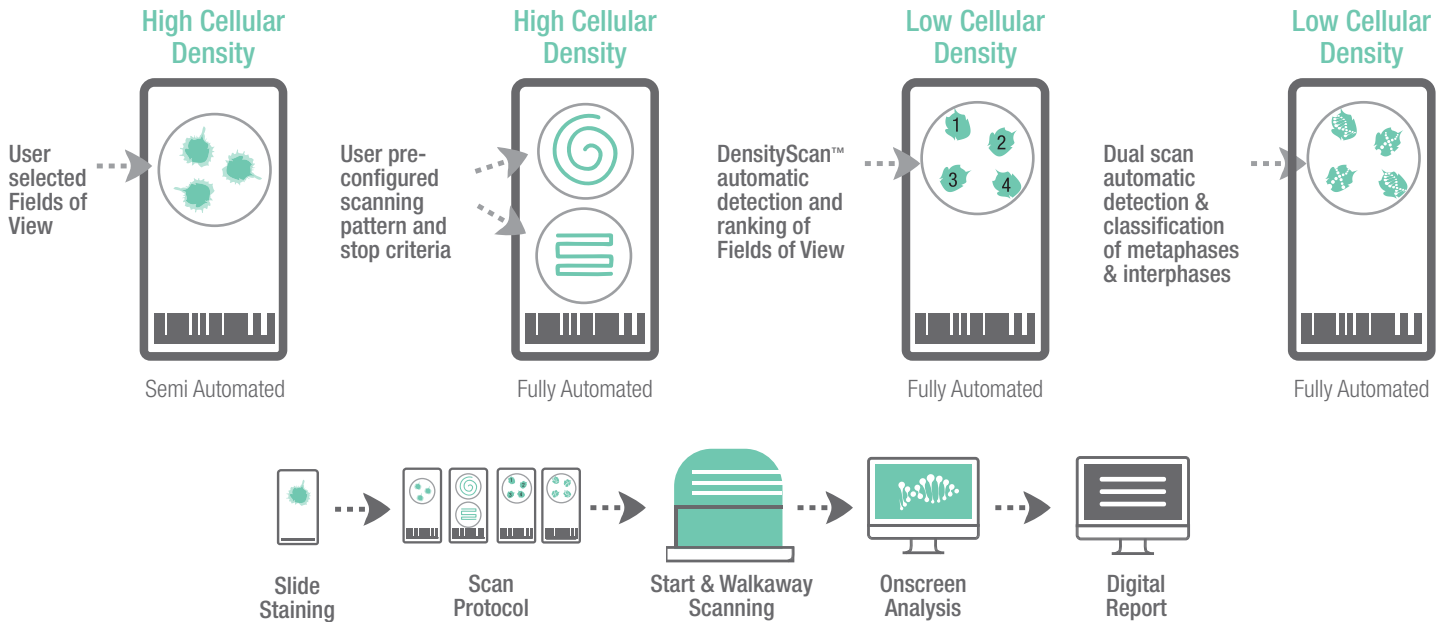
Cell gallery for fast and easy classification review

Multi-layer view for each signal

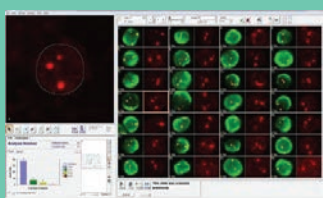
*FDA cleared for FISHView, SpotScan for CEP XY, UroVysion, ALK and HER2/neu FISH, and for HiPath IHC Family for HER2, ER, PR, and Ki67, on the manual configuration

Personalized Levels of Automation

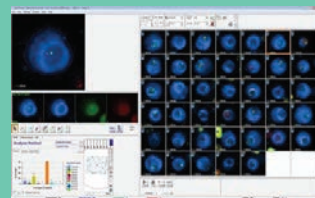
Scanning Protocols for All Probes, Samples and Preparation Techniques



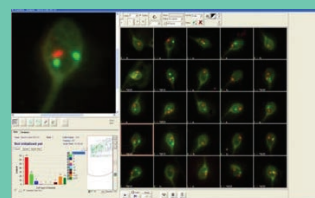
HiFISH for Research Applications



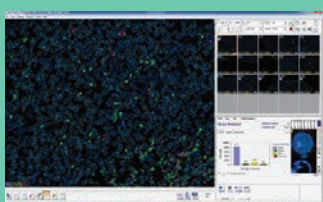
Circulating Tumor Cells



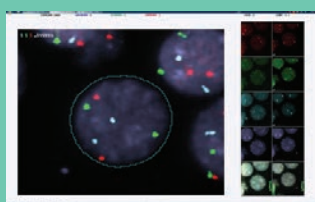
clgFISH



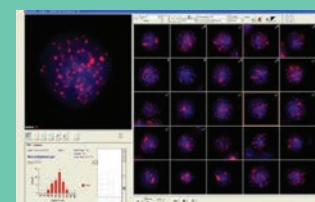
Sperm Cells



Immuno Fluorescence



Successive Staining



Telomeres

Scan | Log | QC | Enhancement

Scan finished Analyzed Frames: 15 Counted Cells: 10463

Plody	Color Intensity	SNR	Cells Info
Class	Area	Circularity	Class
5847	211	1.448	DAPI 24478 29453 24024 0
4309	212	1.198	DAPI 80190 48542 48216 0
4254	210	1.372	DAPI 65603 49257 50296 0
1705	208	1.403	DAPI 77660 52888 50521 0
8231	209	1.377	DAPI 87888 56047 50823 0
2791	214	1.691	DAPI 31527 58324 50882 0
290	215	1.336	DAPI 80995 55718 51414 0
1787	210	1.282	DAPI 72877 52292 51838 0
6654	192	1.198	DAPI 103387 72972 51920 0
2883	228	1.864	DAPI 50225 58689 52470 0
3201	207	1.468	DAPI 84313 56151 54413 0
3478	217	1.195	DAPI 29435 50979 55154 0

Export to CDM:
 Plody
 Color Intensity
 SNR

Classified: 10463 Reviewed: 10

Quality Control of Probe Assays

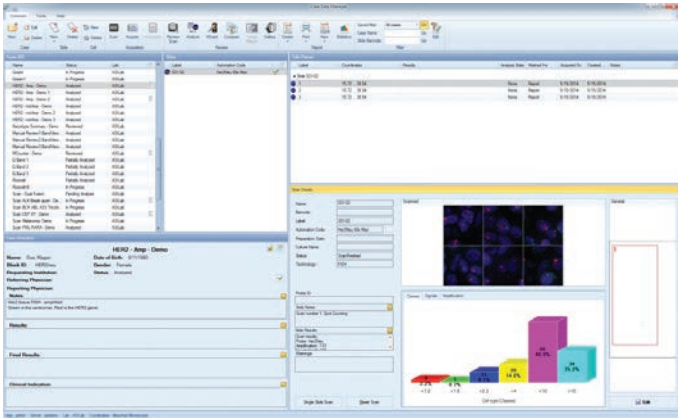
Cell phenotyping and signal classification

Measurement and display of multiple cellular and signal properties

Data Management and Connectivity

Modern Paperless Workflow

Central Portal and Database Easily Integrates with Lab LIS



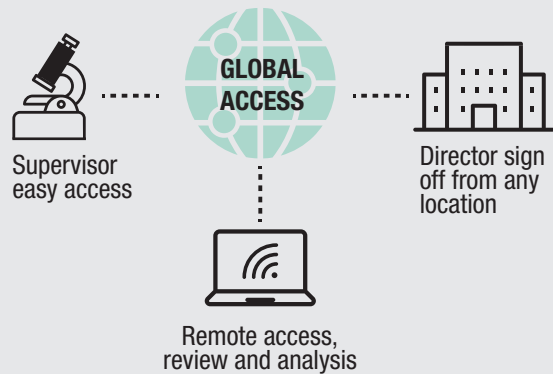
Case Data Management (CDM)

- ✓ Efficient
- ✓ Comprehensive
- ✓ Eliminates human error

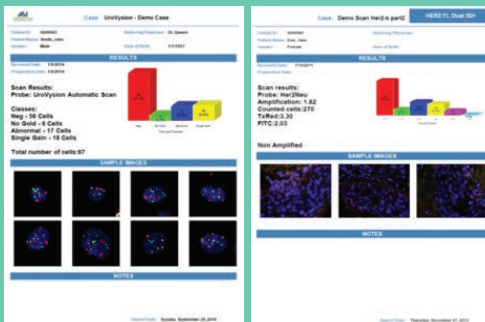
GenASIs AnyWhere™ for Remote Access

Lab Connectivity Anytime, Anywhere

Review, analyze and sign off case information from any location via a secured network



Advanced Reporting

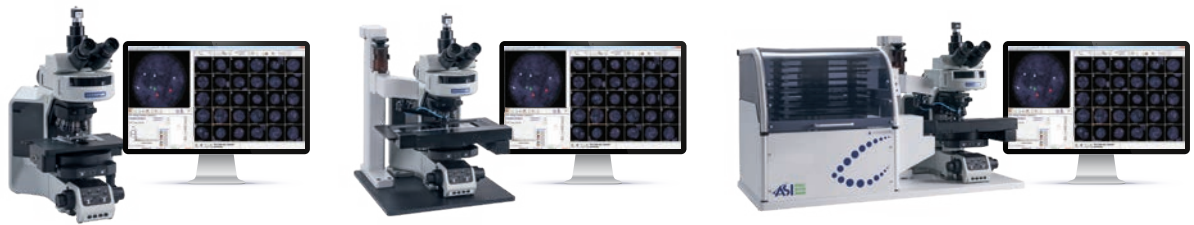


1D/2D Barcode Reader



LIS Connectivity

- ✓ Performance
 - ✓ Security
 - ✓ Data Integrity
- HIPAA Compliant



	Manual 1 Slide	9 Slide Motorized Stage	99 Slide Tray Loader
Microscope Support	BF and FL upright microscopes	OLYMPUS BX61 OLYMPUS BX63 ZEISS AxioImager Z2	OLYMPUS BX61 OLYMPUS BX63 ZEISS AxioImager Z2
Objectives	10x/0.3 60x/1.42 or 63x/1.25	4x/0.16 or 5x/0.16 10x/0.3 40x/1.3 60x/1.42 or 63x/1.25	4x/0.16 or 5x/0.16 10x/0.3 40x/1.3 60x/1.42 or 63x/1.25
Camera	5MP CMOS Monochrome	5MP CMOS Monochrome	5MP CMOS Monochrome
Slide Capacity	1 slide	9 slides	99 slides PLUS
Barcode Reader	Handheld 1D/2D	Handheld 1D/2D	Integrated 1D/2D
Automatic Oil Dispenser	N/A	Optional	Integrated
Dimensions	20cm x 60cm x 50cm	45cm x 90cm x 85cm	100cm x 90cm x 85cm
Weight	8 kg	54 kg	82 kg

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