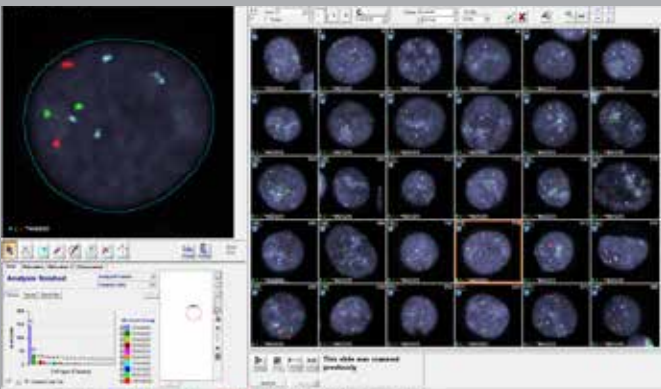




Every
Diagnosis
Counts

HiFISH

Digital FISH Analysis Platform



POWERED BY
GENASIS

ASI APPLIED
SPECTRAL
IMAGING

The Ultimate Digital FISH Workflow

Digitize slides, analyze cells and report

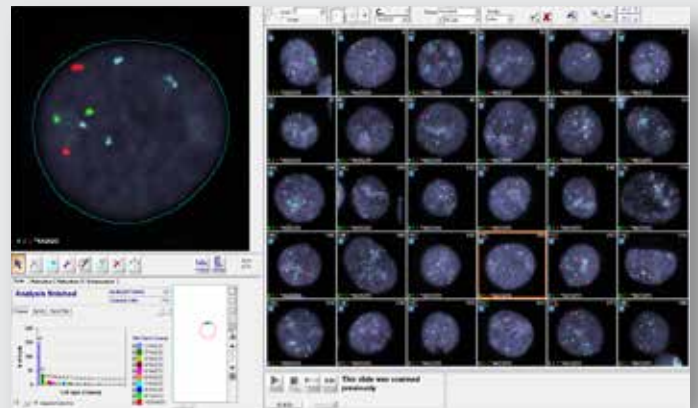
Welcome to your optimized FISH testing solution:

1
**Scan
& Capture**



Automated FISH scan and capture
with real-time analysis

2
**View
& Analyze**

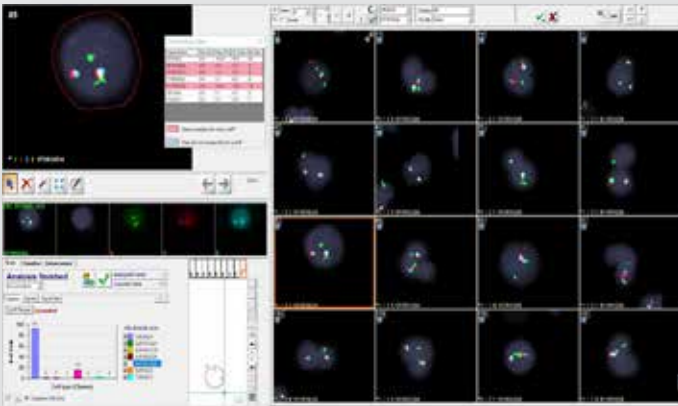


Onscreen review and classification
adjustment

Scan >>> Analyze >>> Review >>> Report >>> Complete!

Review & Approve

Report



Review and approval of final statistics



Create report with final statistics and cell images



Lab Productivity

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



Diagnostic Confidence

Accurate computer-assisted analysis provides higher confidence in patient assessment



Onscreen Analysis

Onscreen FISH analysis in the light significantly improves technologist user experience

Cutting-edge scanning instrumentation for in-depth cell imaging and analysis



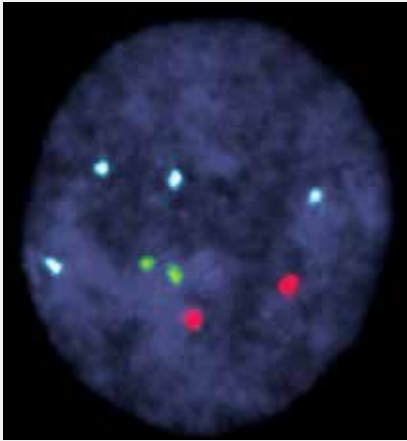
“HiFISH allows us to view much more cells than we would with a manual microscope, which leads to more accurate and reliable results. Manual FISH analysis is also tedious and leads to technologist fatigue but HiFISH never gets tired.”

Dr. Yarin Hadid, Bnai Zion Medical Center

Digitize Your Slides

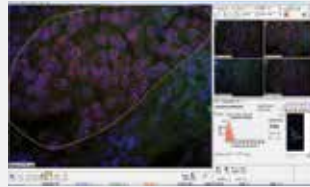
Efficiency, Precision, Versatility

Exceptional On-screen Image Quality

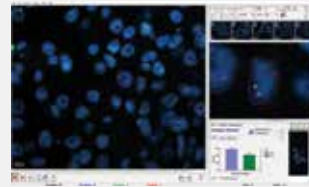


Wide Application Coverage

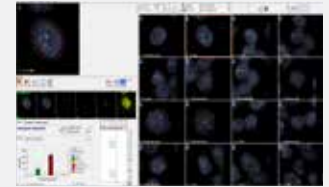
HER2/neu (Breast)



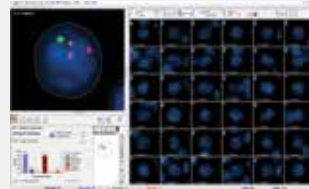
ALK (Lung)



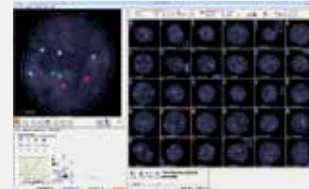
UroVysion (Bladder)



Hematology Fusion



Hematology Enumeration



✓ Any Sample

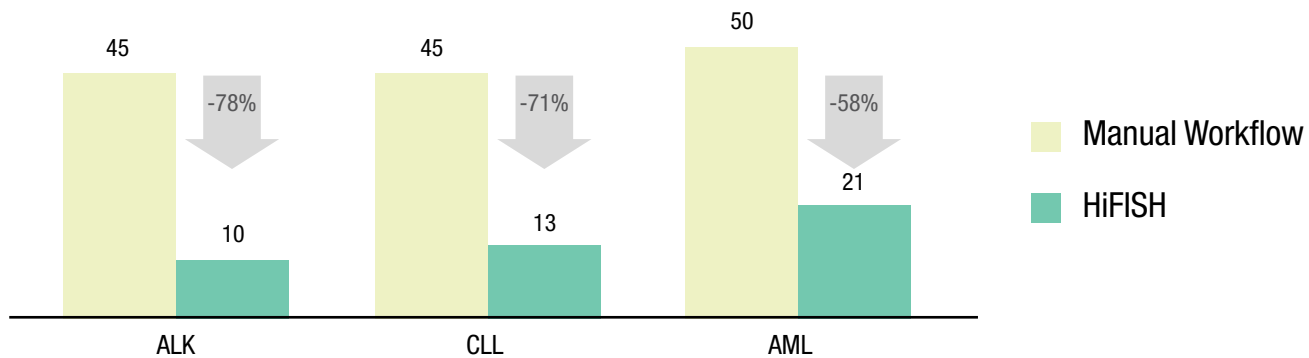
✓ Any Probe

“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

Increased Lab Productivity with Automation

Over 55% Time Savings (Minutes / Case)

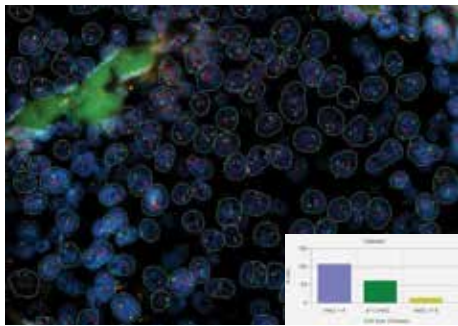


Digital FISH Analysis



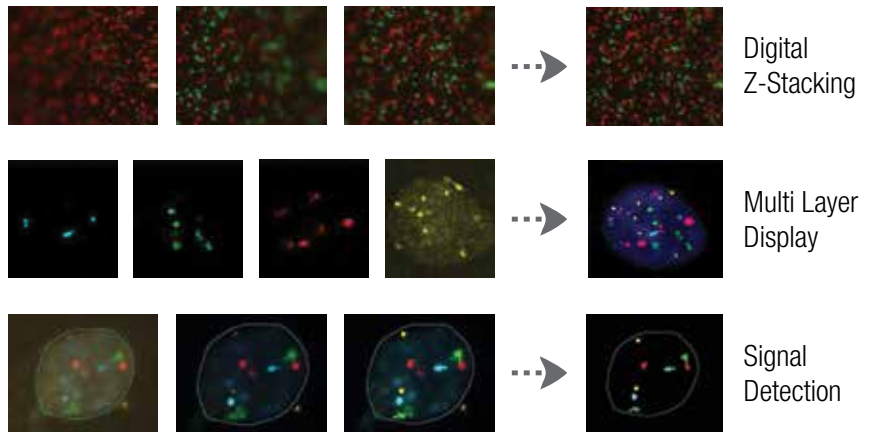
Accuracy, Consistency, Ease-of-Use

Increased Diagnostic Confidence



Accuracy

Automated cell/ signal detection and classification for consistent reliable results



Easy Classification & Review

No More Dark Room!



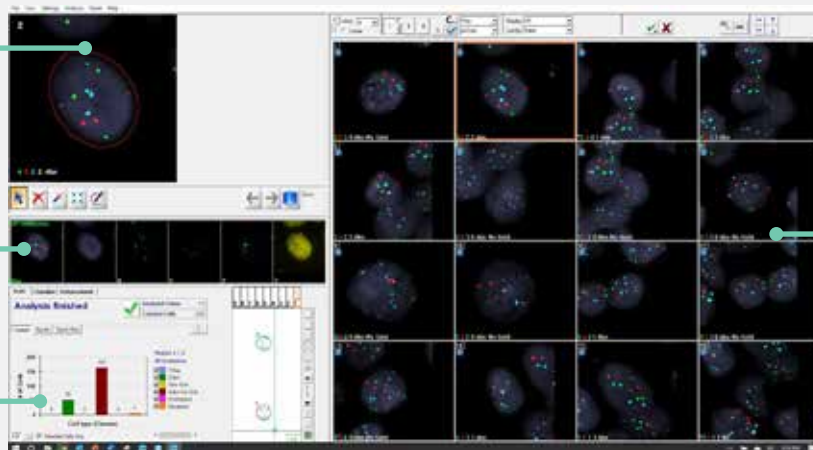
Double Blinded Analysis



High image quality with digital Z-stack of each cell

Multi-layer view for each signal

Real time statistics

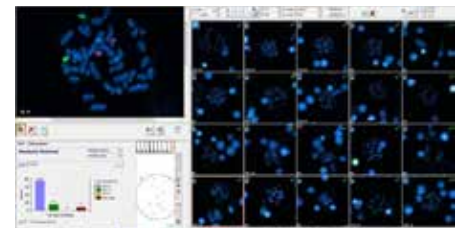
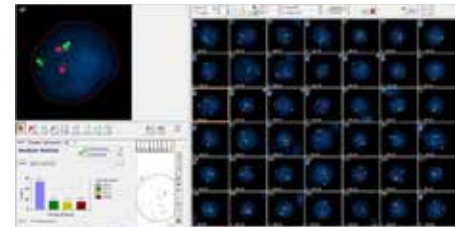
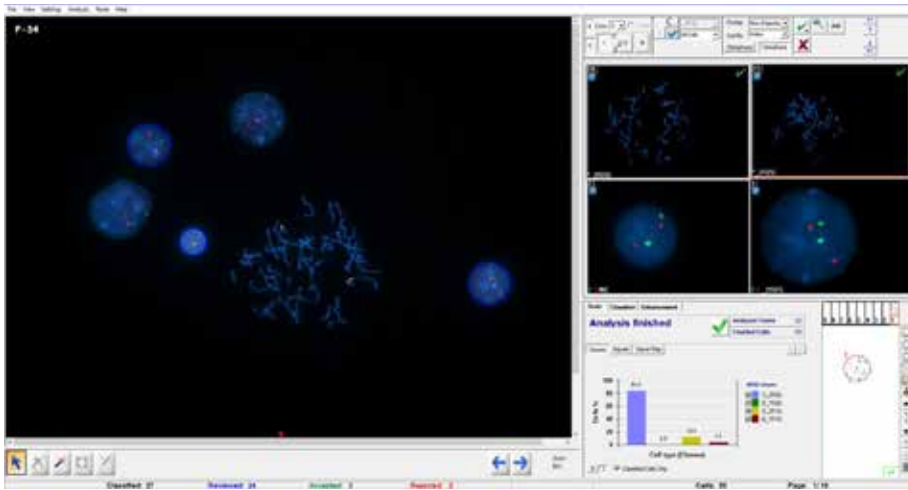


Cell gallery for fast and easy classification review

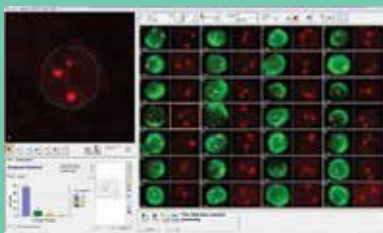
*FDA cleared for FISHView, SpotScan for CEP XY, UroVysion, ALK and HER2/neu FISH

Capture Interphase & Metaphase Cells In One Scan For Higher Throughput and Confidence

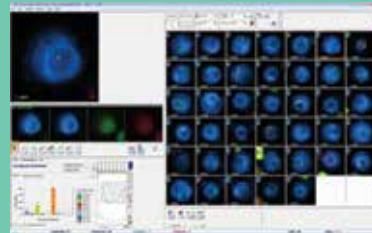
Identify probe signals on chromosomes to confirm FISH analysis accuracy



HiFISH for Research Applications



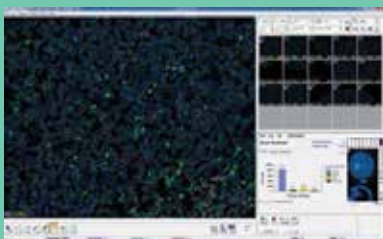
Circulating Tumor Cells



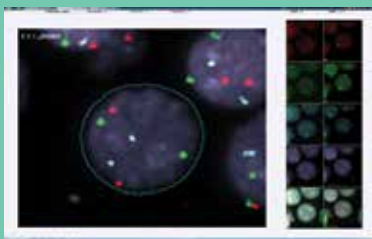
clgFISH



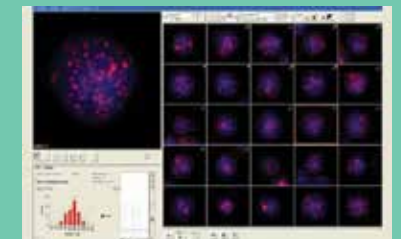
Sperm Cells



Immuno Fluorescence



Successive Staining



Telomeres

A screenshot of HiFISH software showing a data table with columns for Probe, Cell ID, and Signal Intensity. The table contains multiple rows of data, including cell IDs and signal intensity values. The table is titled 'Scan finished' and 'Export to CSV'.

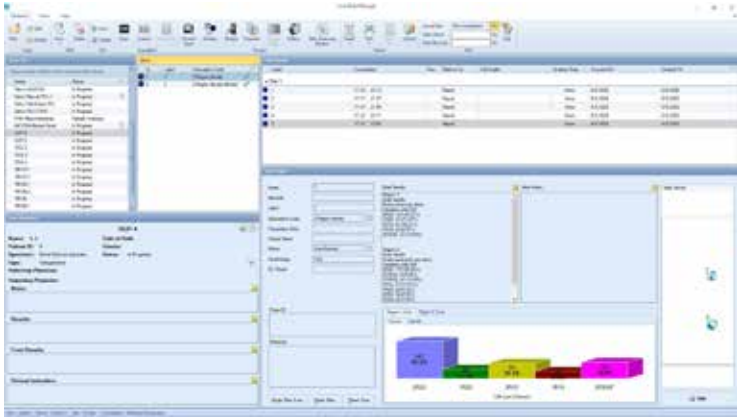
Probe	Cell ID	Signal Intensity
22q11.21	1000	1000
22q11.21	1001	1001
22q11.21	1002	1002
22q11.21	1003	1003
22q11.21	1004	1004
22q11.21	1005	1005
22q11.21	1006	1006
22q11.21	1007	1007
22q11.21	1008	1008
22q11.21	1009	1009
22q11.21	1010	1010
22q11.21	1011	1011
22q11.21	1012	1012
22q11.21	1013	1013
22q11.21	1014	1014
22q11.21	1015	1015
22q11.21	1016	1016
22q11.21	1017	1017
22q11.21	1018	1018
22q11.21	1019	1019
22q11.21	1020	1020

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)

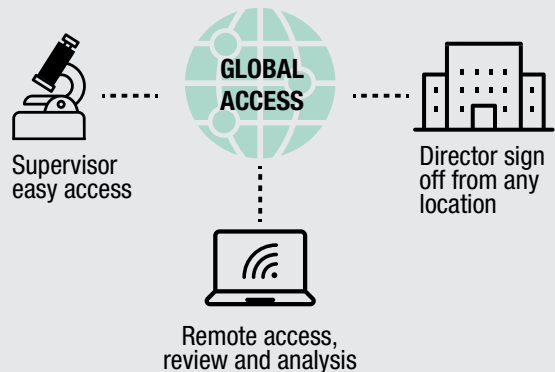
- ✓ Efficient
- ✓ Comprehensive
- ✓ Eliminates human error

Work from Home

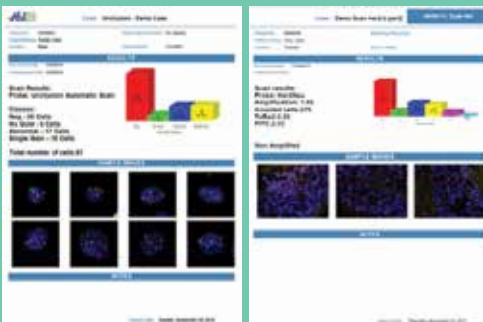
GenASIs AnyWhere™ for Remote Access

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

Become a Data-Driven Lab with LabLife

NEW

Generate lab performance statistic LabLife™ for Lab Management s



Benchmarks

Calculate performance benchmarks and track your KPIs. Meet certification and regulatory requirements



Optimization

Identify best practices to increase ROI per case and focus improvement efforts



Growth

Justify investment in additional capital equipment for the lab

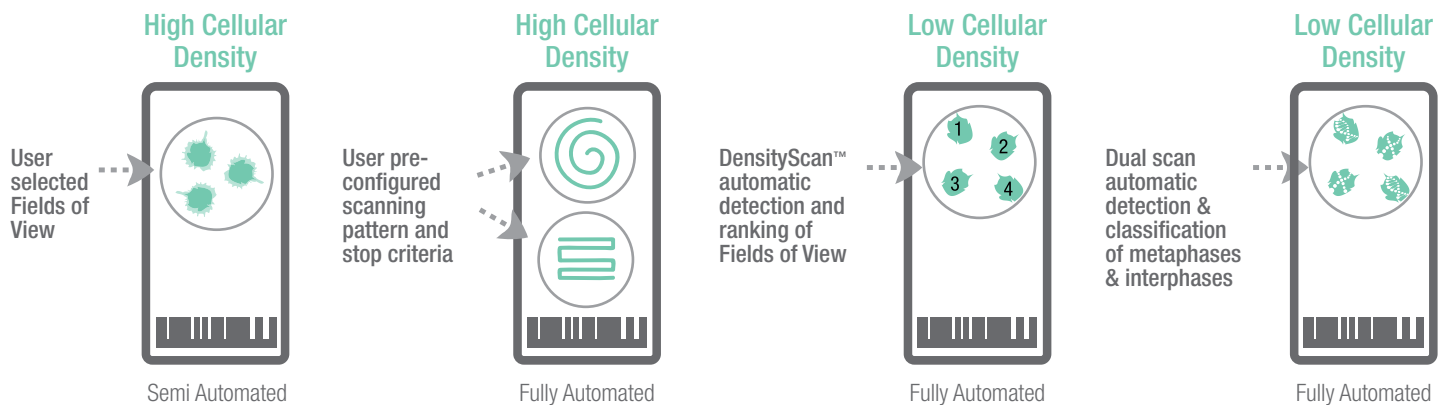


Annual analysis and review

Compare performance year on year and make data driven decisions

Personalized Levels of Automation

Scanning Protocols for All Probes, Samples and Preparation Techniques



About Applied Spectral Imaging

Applied Spectral Imaging (ASI) is a global leader in biomedical imaging with a comprehensive product portfolio and a global distribution footprint.

Founded in 1993, ASI markets, services and supports its products in nearly 50 countries. With a wide FDA clearance portfolio, you can rest assured that ASI applications have been rigorously tested for compliance and clinical use.

The Company's technology, powered by GenASIs, enables pathology, cytogenetics and research laboratories to provide advanced diagnostics to patients through superior digital diagnostic tools. ASI has a wide portfolio of dedicated solutions for brightfield, fluorescence and spectral imaging and analysis, including HiPath Pro, PathFusion, HiBand, HiFISH, CytoPower and Rainbow.

The Company has offices in the US and Asia and a global network of distribution partners.

Global Presence

3,500

Systems installed
worldwide

54

Countries through direct
& indirect sales forces

63

Third party distribution
partners



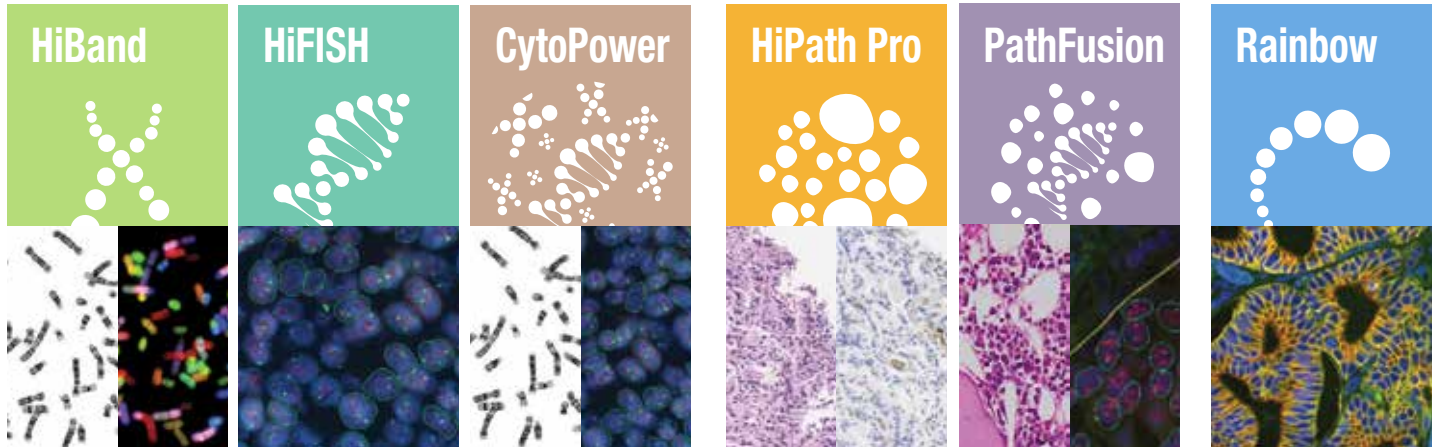
The Company's Product Portfolio

Imaging & Analysis Solutions for Laboratories

Cytogenetics

Pathology

Research



Diverse platforms can accommodate all laboratory needs



99-Slide Tray Loader



9-Slide Scanning System



1-Slide Capture System



HyperSpectral System

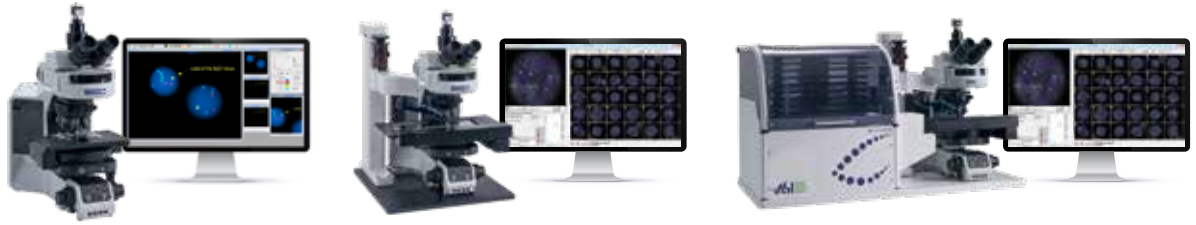


Review & Analysis Station



Remote Connectivity

System Specifications



	Manual 1 Slide		9 Slide Motorized Stage		99 Slide Tray Loader	
Microscope Support	FL upright microscopes		OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS AxioImager Z2 FL		OLYMPUS BX61 FL OLYMPUS BX63 FL ZEISS AxioImager Z2 FL	
Objectives	Olympus 10x/0.3NA 60x/1.25NA	ZEISS 10x/0.3NA 63x/1.25NA	Olympus 10x/0.3NA 40x/1.4NA 60x/1.25NA	ZEISS 10x/0.3NA 40x/1.3NA 63x/1.25NA	Olympus 4x/0.16NA 10x/0.3NA 40x/1.4NA 60x/1.25NA	ZEISS 5x/0.16NA 10x/0.3NA 40x/1.3NA 63x/1.25NA
Camera	5MP CMOS Monochrome		5MP CMOS Monochrome		5MP CMOS Monochrome	
Slide Capacity	1 slide		9 slides		99+ slides	
Barcode Reader	Handheld 1D/2D		Handheld 1D/2D		Integrated 1D/2D	
Automatic Oil Dispenser	N/A		Optional		Integrated	
Dimensions	According to clients microscope		61cm x 69cm x 85cm (24" x 27.2" x 33.5")		100cm x 90cm x 90cm (39.4" x 35.5" x 35.5")	
Weight	According to clients microscope		45Kg 99.2lb		80Kg 176.4lb	

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