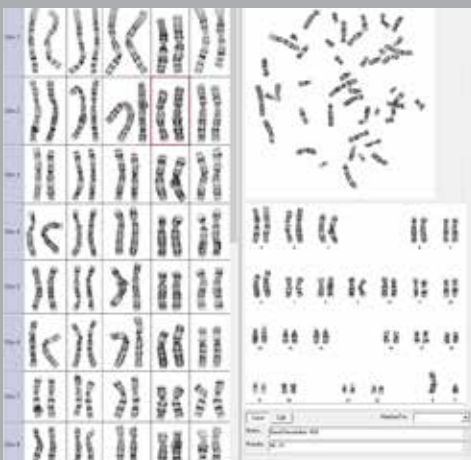




Every
Diagnosis
Counts

HiBand

Digital Chromosome Analysis
and Karyotyping System



POWERED BY
GENASIS

ASI APPLIED
SPECTRAL
IMAGING

An End-to-End Cytogenetic Workflow

Digitize slides, analyze chromosomes and karyotype

For the accurate identification of genetic abnormalities and cancers

1

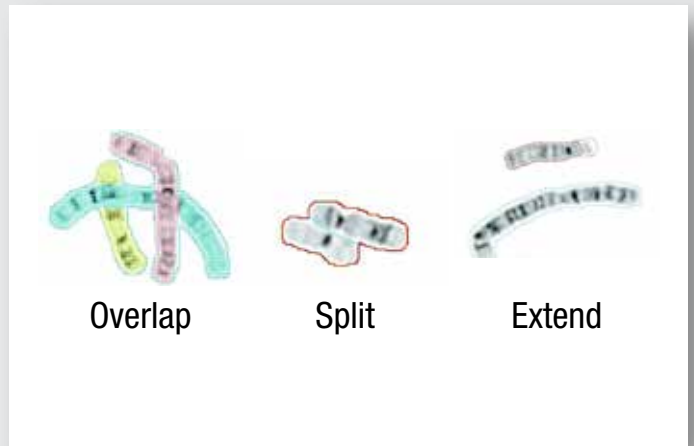
Scan
& Capture



Digitize your slide. Metaphase Finder identifies the best cells for analysis

2

View
& Analyze



Multi-functional tools separate overlapping chromosomes, segment, count, compare and much more

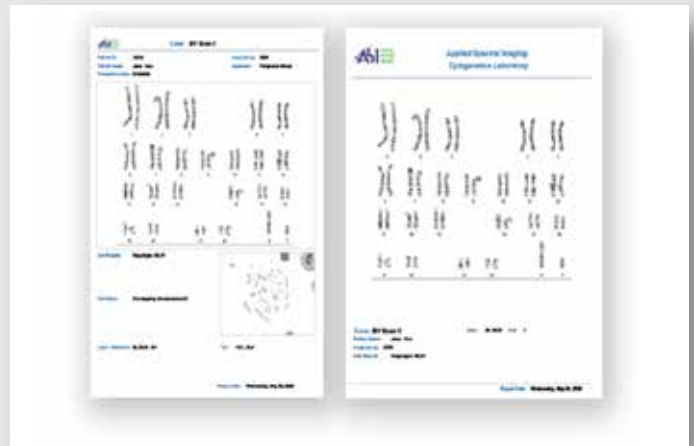
Scan&Capture >>> View&Analyze >>> Karyotype >>> Report >>> Complete!

3 Karyotype

4 Report



Karyotype at a click of a button based on your analysis



Submit a customized report with full case details

Digital Chromosome Analysis System



Optimized Productivity

Automated workflows, digital analysis and full integration maximize lab efficiencies



Diagnostic Confidence

Superb image quality, powerful algorithms and feature rich software ensure results accuracy



Multi Application

A broad sample and staining menu that meets the full range of demands of cytogenetic labs

Cutting edge scanning, imaging and analysis instrumentation for karyotyping



“HiBand doubled our lab productivity in Bone Marrow samples and tripled our productivity in Blood samples.”

Nettie Rietema, University Medical Center Groningen, NL

Functional Tools for Accurate Analysis

Quality, Accuracy, Ease-of-Use



Feature Rich Review & Analysis



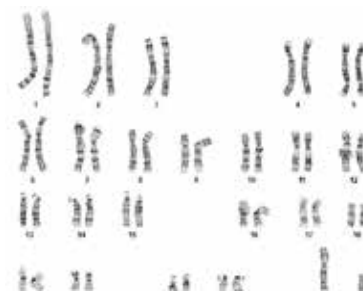
Count

Accurate automatic chromosome counting



Analyze

Fast and easy chromosome indexing and classification



Karyotype

High accuracy of automated karyotyping, with auto ISCN, auto bands estimation and auto overlap score

Easy Separation and Boundary Editing

“Magic Tool” combining 12 operations in a simple mouse click



Overlap



Split



Extend



Combine



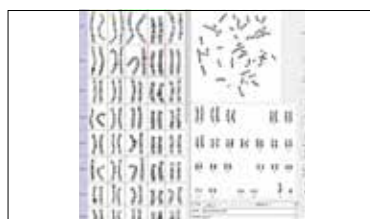
Saves hundreds of mouse-clicks per karyotype!

Advanced Onscreen Supervisor or Director Review



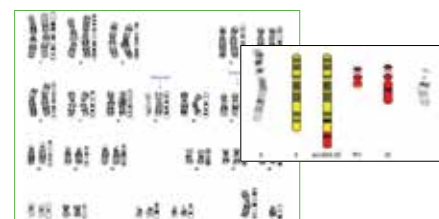
Image Gallery

Display of all case metaphases and karyotypes



Chromosome Compare

All captured cells and chromosomes side by side



Aberrant Ideogram

Chromosomes, cells, ideograms and annotations in an image generator

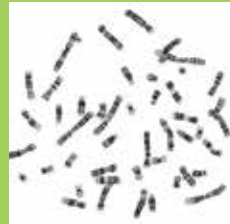
Automatic Slide Scanning and Metaphase Finder

Classifier Captures the Best Metaphases for Analysis



High resolution 5MP camera sensor combined with a high quality 100x immersion oil objective

Broad Staining and Sample Menu



G-Band



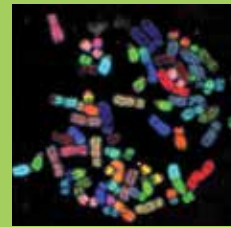
Q-Band



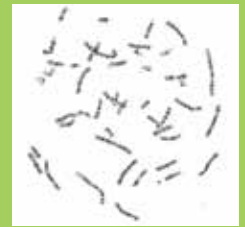
R-Band FL



FISH



Spectral

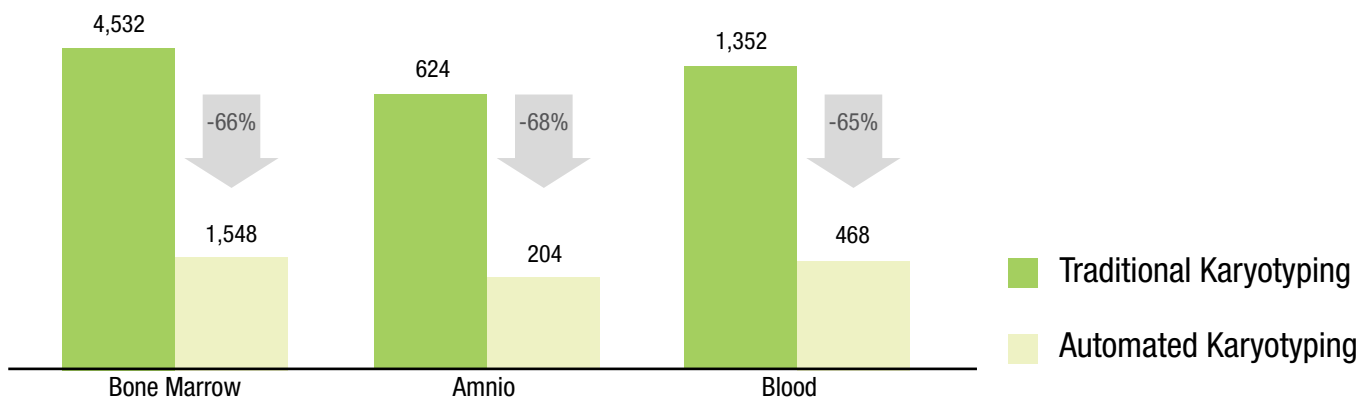


R-Band

✓ Blood ✓ Bone Marrow ✓ Amniotic Fluid ✓ CVS

Increased Lab Productivity

66% Technologist Time Saving (Hours / Month)



Free technologist time to where their expertise is needed most

Become a Data-Driven Lab with LabLife

NEW

Generate lab performance statistics

LabLife™ for Lab Management



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



Click for Atlas

Reference Atlas for higher assurance

NEW

Atlas provides the expert support you need to investigate, research, and confirm challenging abnormalities.

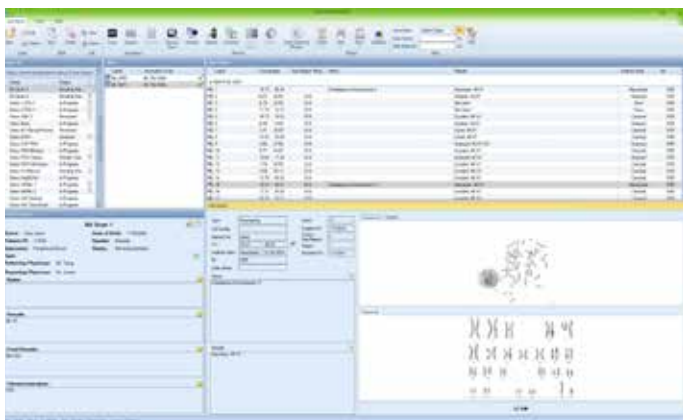
This new feature is located in BandView's toolbar for easy access during the analysis process.

<http://atlasgeneticsoncology.org/>

Data Management and Connectivity

Modern Paperless Workflow

Central Portal and Database Easily Integrates with Lab LIS



Case Data Management (CDM)

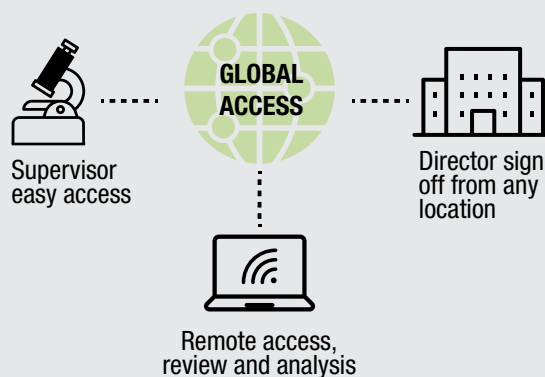
- ✓ Efficient
- ✓ Comprehensive
- ✓ Eliminates human error

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

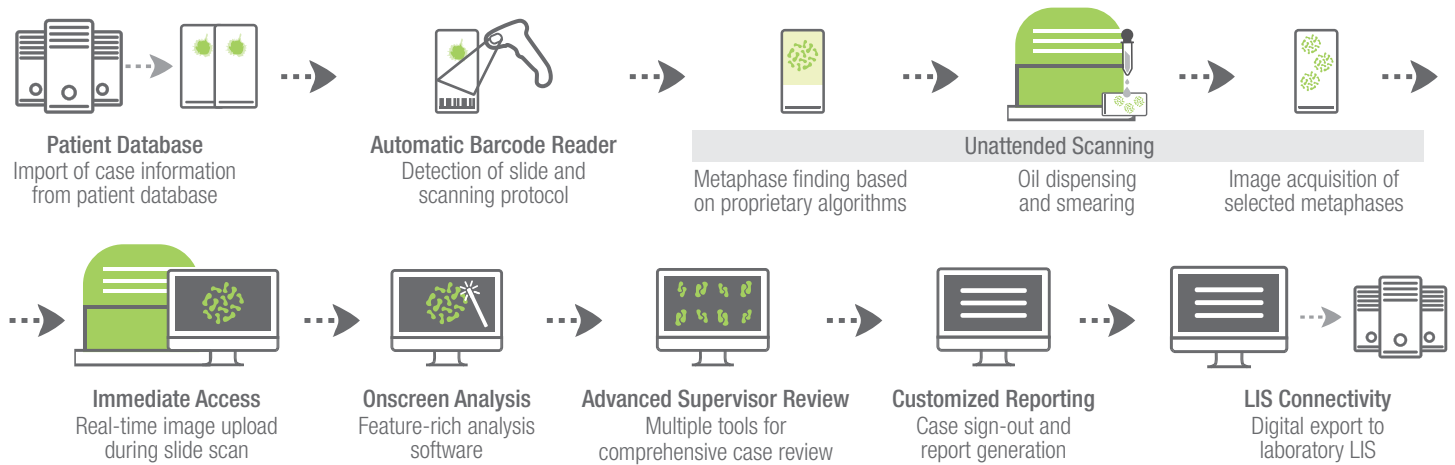


LIS Connectivity

- ✓ Performance
- ✓ Security
- ✓ Data Integrity

HIPAA Compliant

Fully Automated Workflow



HiSKY*

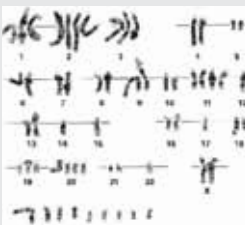
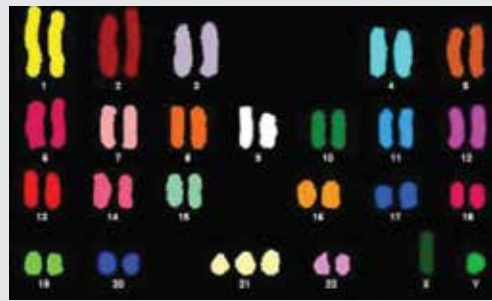
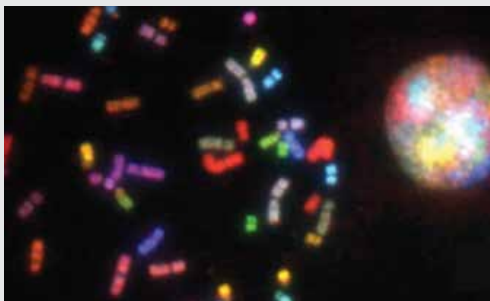
Gold Standard Spectral Karyotyping

Multi-Color FISH Analysis for Result Verification

- ✓ Automatic identification of translocations and chromosomal origins
- ✓ Simultaneous detection of chromosomal aberrations in one hybridization
- ✓ Measurement of entire spectrum at each point



HiSKY Probe Kit
Chromosome paints for human, mouse and rat



Brain Tumor



Ewing Sarcoma

*HiSKY is an add on application for research purposes

ASI Company Overview

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

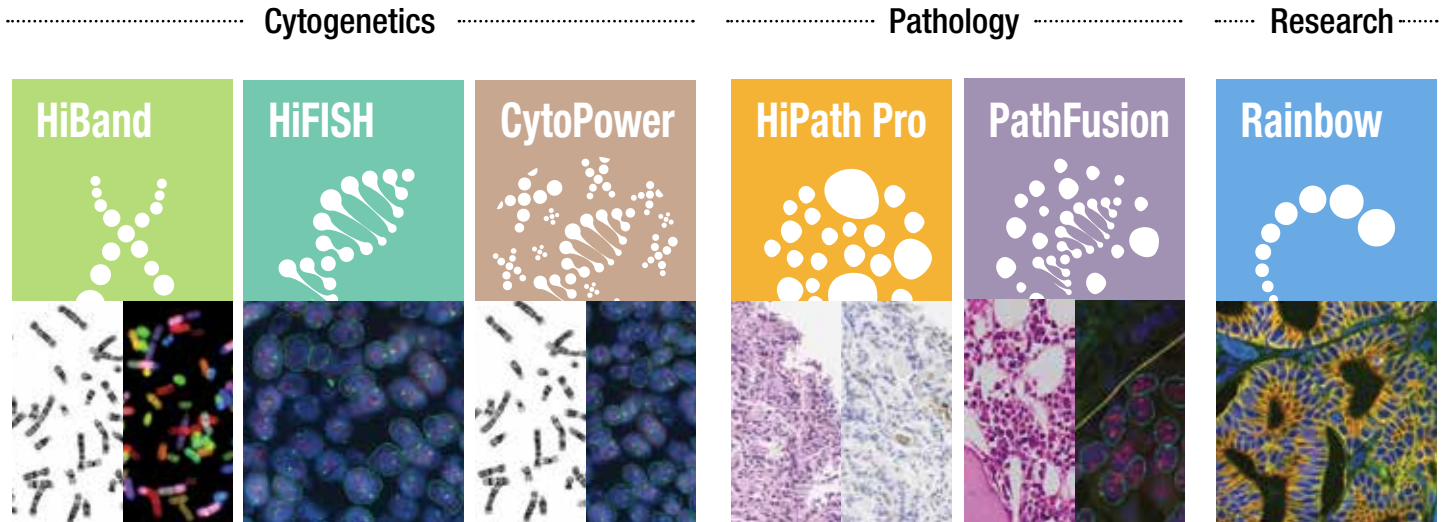
63

Third party distribution
partners

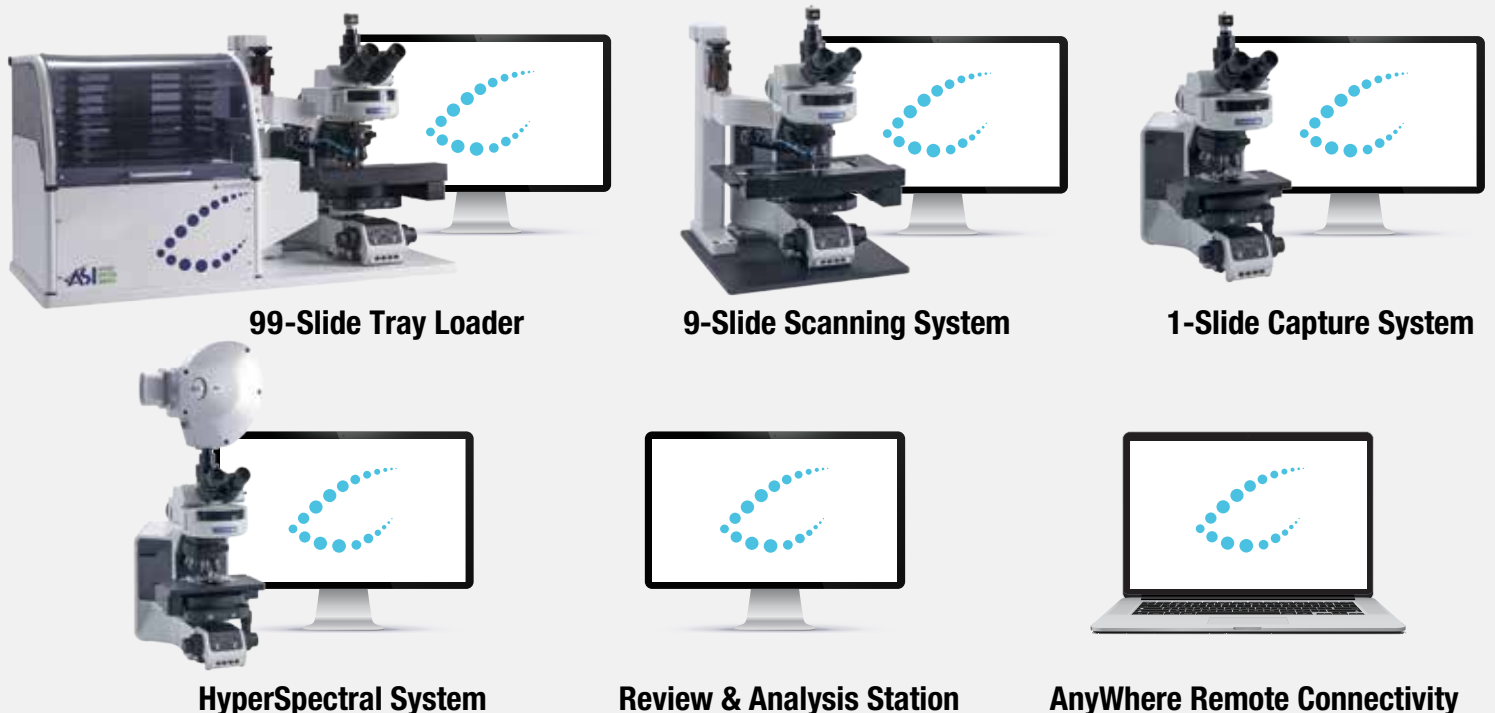


The Company's Product Portfolio

Imaging & Analysis Solutions for Laboratories



Diverse platforms to accommodate all laboratory needs

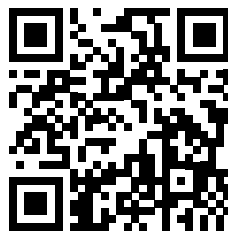


System Specifications



	Manual 1 Slide	9 Slide Motorized Stage	99 Slide Tray Loader	HyperSpectral 1 Slide
Microscope Support	BF upright microscopes	OLYMPUS BX61 BF OLYMPUS BX63 BF ZEISS AxioImager Z2 BF	OLYMPUS BX61 BF OLYMPUS BX63 BF ZEISS AxioImager Z2 BF	BF and FL upright microscopes
Objectives	10x/0.3 NA 100x/1.3 NA	1.25x/0.04 NA (Optional) 10x/0.3 NA 100x/1.3 NA	1.25x/0.04 NA (Optional) 10x/0.3 NA 100x/1.3 NA	10x/0.3 100x/1.3
Camera	5MP CMOS Monochrome	5MP CMOS Monochrome	5MP CMOS Monochrome	Spectral 1.3MP Monochrome
Slide Capacity	1 slide (Manual or Motorized)	9 slides	99+ slides	1 slide (Manual or Motorized)
Barcode Reader	Handheld 1D/2D	Handheld 1D/2D	Integrated 1D/2D	Handheld 1D/2D
Automated Oil Dispenser	N/A	Optional	Integrated	N/A
Dimensions [WxDxH]	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")	According to clients microscope
Weight	According to clients microscope	45kg 99.2lb	80kg 176.4lb	According to clients microscope

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