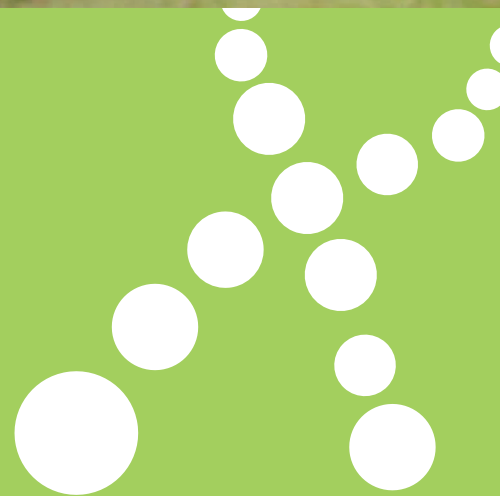




Every
Diagnosis
Counts

HiBand

Digital Chromosome Analysis



POWERED BY
GENASIS

ASI APPLIED
SPECTRAL
IMAGING

Digital Chromosome Analysis System

Automated Scanning

- Automatic metaphase finding
- High resolution image acquisition
- Start & walkaway

Digital Karyotyping

- Powerful algorithms for accurate karyotyping
- Superb image quality
- Fast and easy separation of chromosomes

View, Manage & Share

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



Cutting-edge imaging and analysis for digital karyotyping



Optimized Productivity

Automated workflows, digital analysis and full integration maximize lab efficiencies



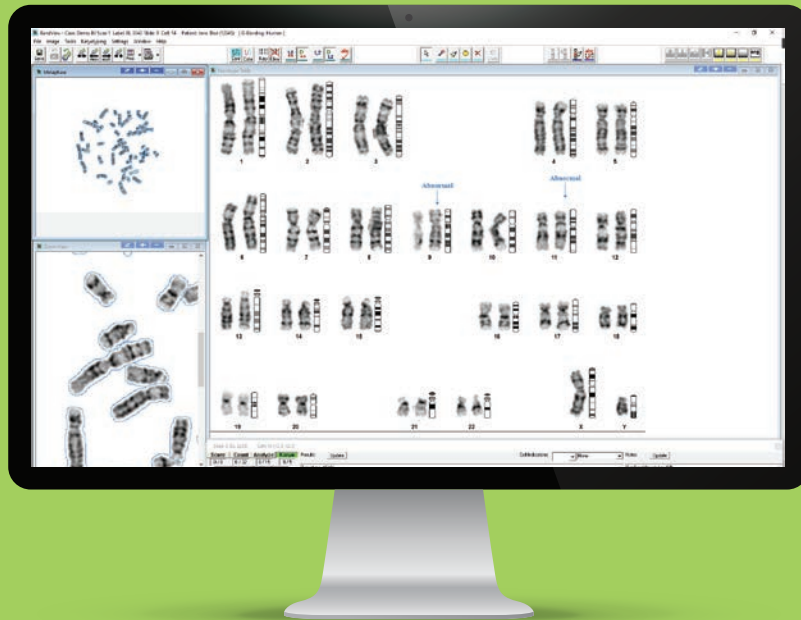
Diagnostic Confidence

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



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

Nettie Rietema, University Medical Center Groningen, NL

Automatic Slide Scanning

Efficiency, Precision, Versatility

Image Quality Driven to the Max!

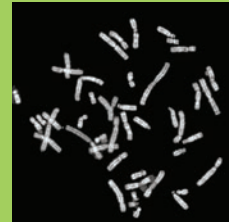


High resolution 4MP camera sensor combined with a high quality 100x immersion oil objective

Broad Staining and Sample Menu



G-Band



Q-Band



R-Band



FISH



Spectral

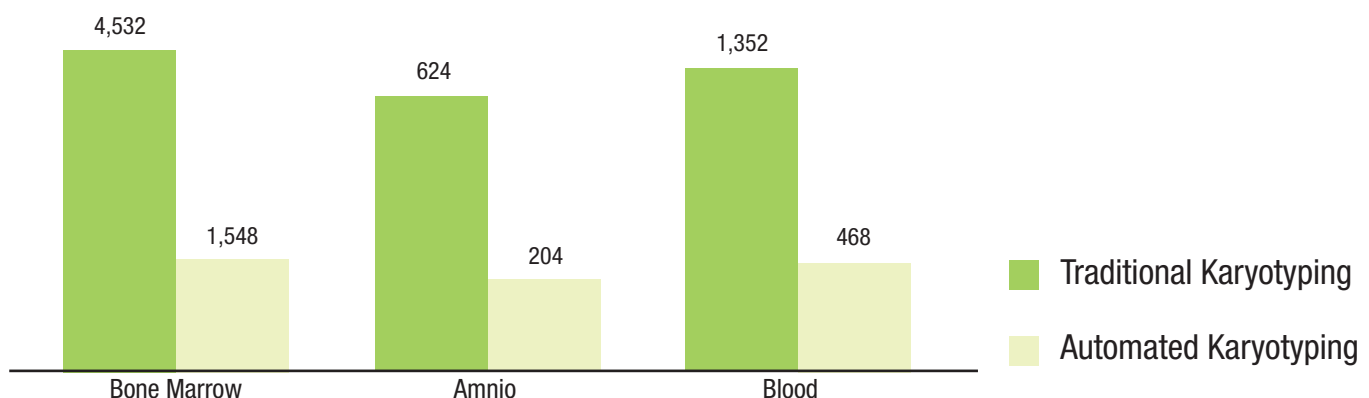


R-Band

✓ Blood ✓ Bone Marrow ✓ Amniotic Fluid ✓ CVS

Increased Lab Productivity

66% Technologist Time Saving (Hours / Month)



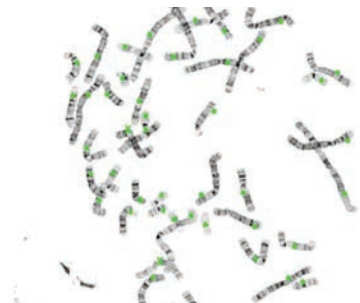
Free technologist time to where their expertise is needed most

Digital Chromosome Analysis



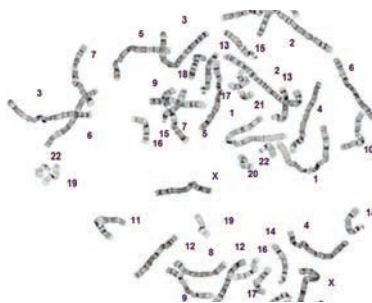
Quality, Accuracy, Ease-of-Use

Feature Rich Review & Analysis



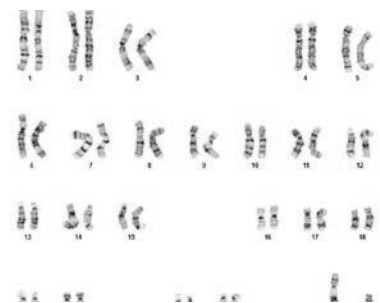
Count

Accurate automatic chromosome counting



Analyze

Fast and easy chromosome indexing and classification

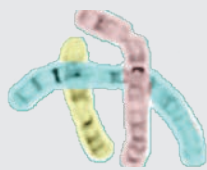


Karyotype

Easy separation of chromosomes and advanced image enhancement

Easy Separation and Boundary Editing

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



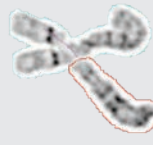
Overlap



Split



Extend



Combine



Saves hundreds of mouse-clicks per karyotype!

Advanced Onscreen Supervisor Review

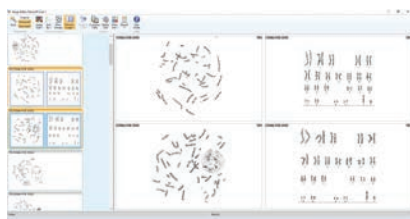


Image Gallery

Display of all case metaphases and karyotypes



Chromosome Compare

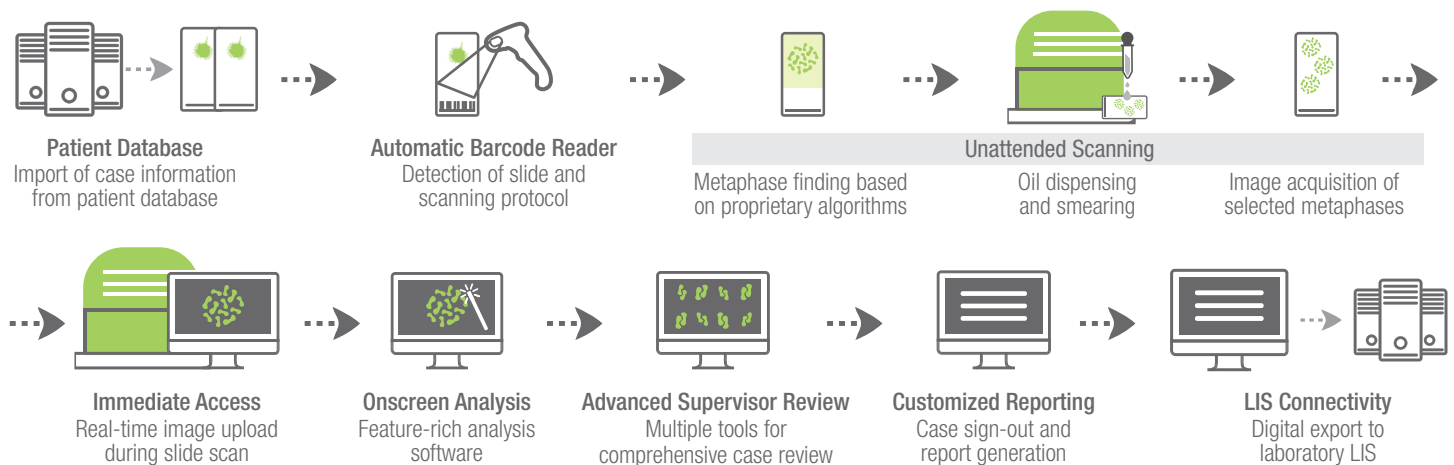
All captured cells and chromosomes side by side



Aberrant Ideogram

Chromosomes, cells, ideograms and annotations in an image generator

Fully Automated Workflow



HiSKY

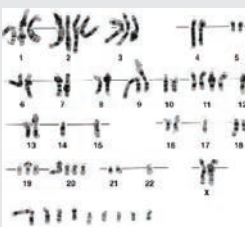
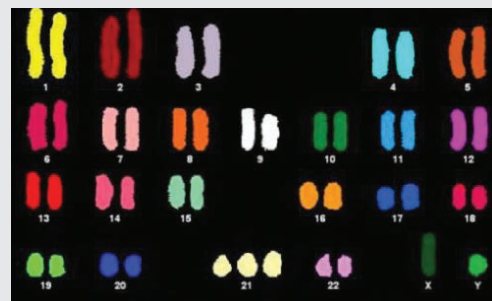
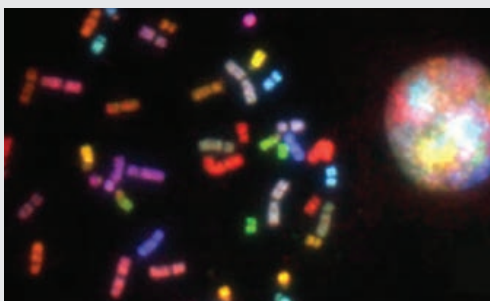
Gold Standard Spectral Karyotyping

Multi-Color FISH Analysis for Result Verification

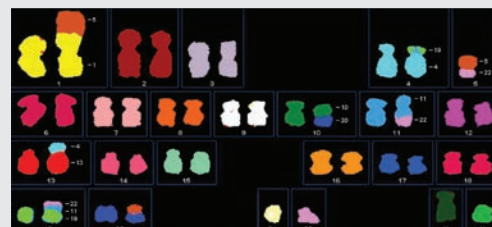
- ✓ Automatic identification of translocations and chromosomal origins
- ✓ Simultaneous detection of chromosomal aberrations in one hybridization
- ✓ Measurement of entire spectrum at each point



HiSKY Probe Kit
Chromosome paints for human, mouse and rat



Brain Tumor

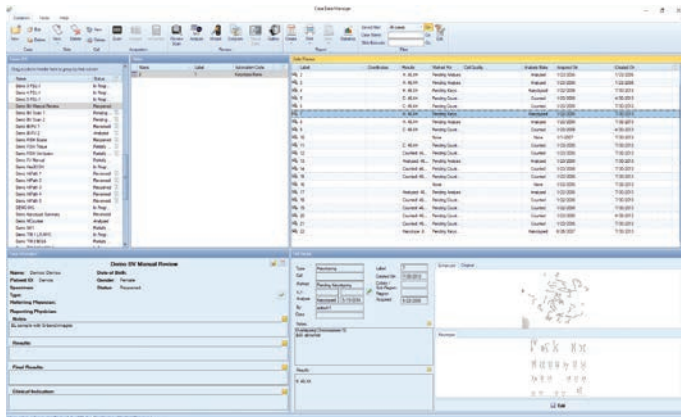


Ewing Sarcoma

Data Management and Connectivity

Modern Paperless Workflow

Central Portal and Database Easily Integrates with Lab LIS



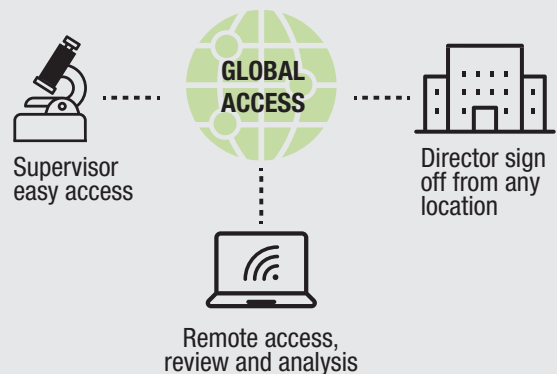
Case Data Management (CDM)

- ✓ Efficient
- ✓ Comprehensive
- ✓ Eliminates human error

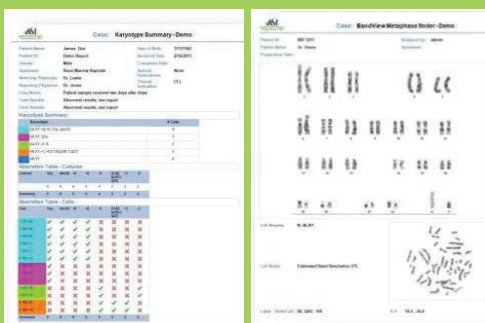
GenASIs AnyWhere™ for Remote Access

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	HyperSpectral 1 Slide
Microscope Support	BF upright microscopes	OLYMPUS BX61 OLYMPUS BX63 ZEISS Axiolmager Z2	OLYMPUS BX61 OLYMPUS BX63 ZEISS Axiolmager Z2	BF and FL upright microscopes
Objectives	10x/0.3 100x/1.3	1.25x/0.04 (Optional) 10x/0.3 100x/1.3	1.25x/0.04 (Optional) 10x/0.3 100x/1.3	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 PLUS	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]	20cm x 60cm x 50cm	45cm x 90cm x 85cm	100cm x 90cm x 85cm	28cm x 44cm x 85cm
Weight	8kg	54kg	82kg	20kg

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