Every Diagnosis Counts
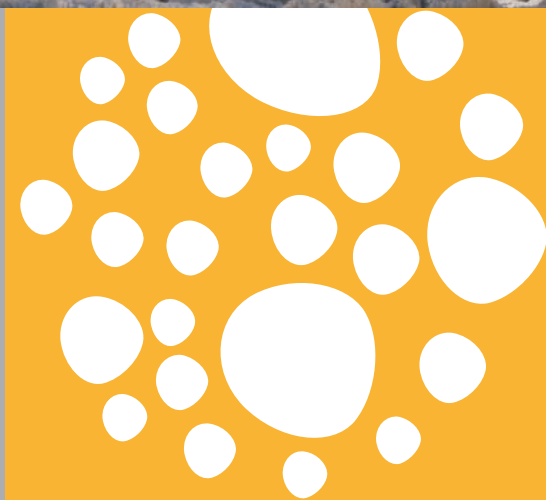
HiPath Pro

Advanced Digital Pathology

ASI
APPLIED
SPECTRAL
IMAGING

Comprehensive Digital Pathology System

- ✓ IVD Imaging System for Quantitative IHC Scoring
- ✓ Microscopic Whole Slide Imaging of H&E and IHC Samples
- ✓ Data Management and Connectivity

Cutting-edge solution for multiple lab needs, seamlessly integrates with existing workflows

Standardized

Consistent accurate analysis provides higher confidence in patient assessment

Digital

Modern computerized workflows enable labor efficiencies and data accessibility

Connected

Virtual slides streamline communication and simplify sharing processes

"As an early adopter of the PD-L1 immunostain methodology, our group quickly recognized the inter and intra observer variability in scoring and interpretation of the stain, especially when there is non-uniform staining among tumor regions. We have been very pleased with the added confidence that HiPath Pro provides us in improving accuracy and precision of interpretation."

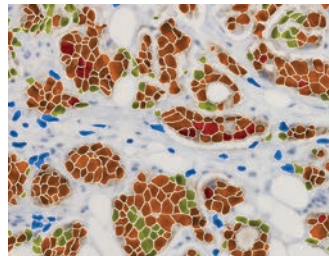Dr. Lija Joseph, Lowell General Hospital

Computer-Aided IHC Analysis
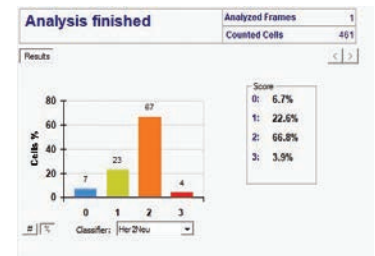
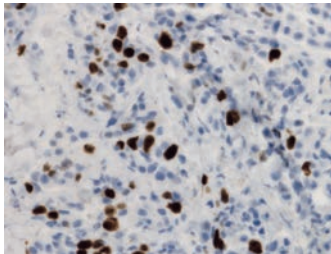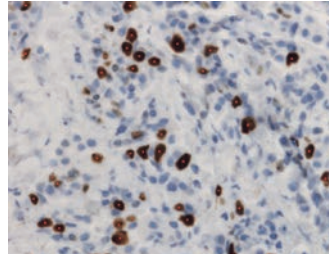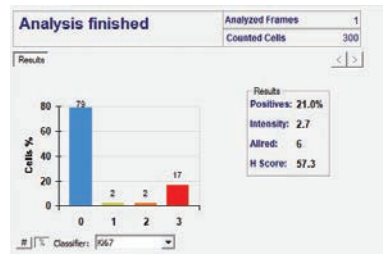## Standardization at the Click of a Button

HER2
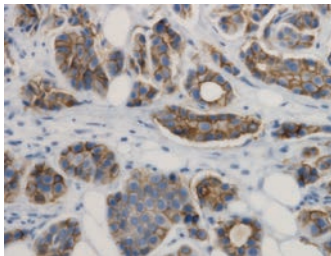
Original

Analyzed

Results

Ki67

Original

Analyzed

Results

PD-L1

Original

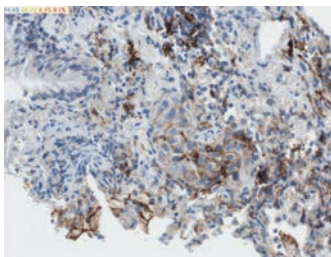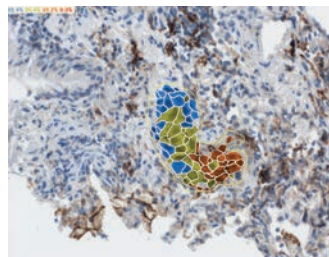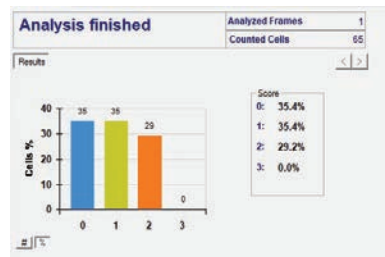Analyzed

Results

FDA CLEARED

FDA cleared for the HiPath IHC Family for HER2, ER, PR and Ki67, on the manual configuration.
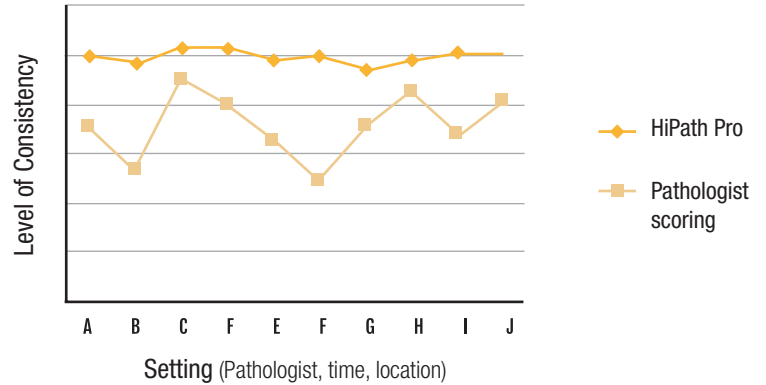
There's Strength in Numbers

Cell based analysis

Analysis of 1000's of cells in relevant tumor regions

Statistical analysis for

✓ Each frame

✓ Regions of Interest within frames

✓ Combined scoring of all frames
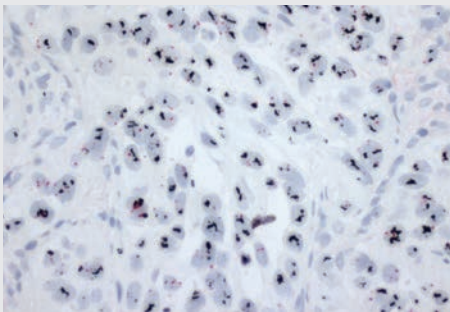

Consistency of Results Across Varied Settings

Level of Consistency

Setting (Pathologist, time, location)

A B C F E F G H I J

◆ HiPath Pro

■ Pathologist scoring

✓ **Overcomes quality deviations and variability in the staining process**

All nuclear and membrane staining
Wide range of tissue samples (e.g. breast, lung, colon, bladder, brain)
Vendor neutral

CISH

Original

Analyzed

Analysis finished

| Analyzed Frames | 1 |
| Counted Cells | 60 |

Amplification | Signals | Signal Map

Amplification Histogram

Amplification

6.62

Silver: 11.76

Red: 1.78

Class1

# of Cells

25 20
20
15
10   10
5   6
0   2
   5 15 25 35 45 55 65 75 85 95
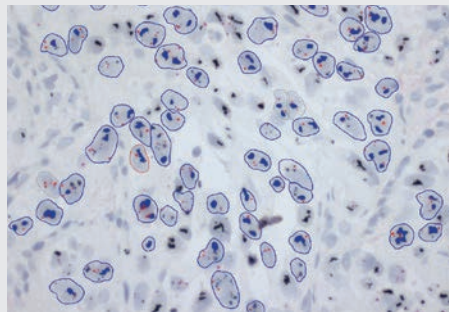
Amplification (Silver/Red)

Results

Whole Slide Imaging

Precision, Versatility, Efficiency

Uncompromising Image Quality Start & Walkaway Scanning

- ✓ Virtual H&E and IHC Slides
- ✓ Tumor Boards
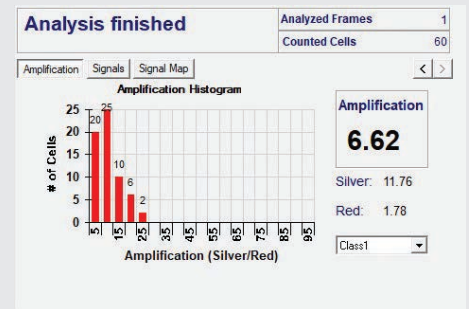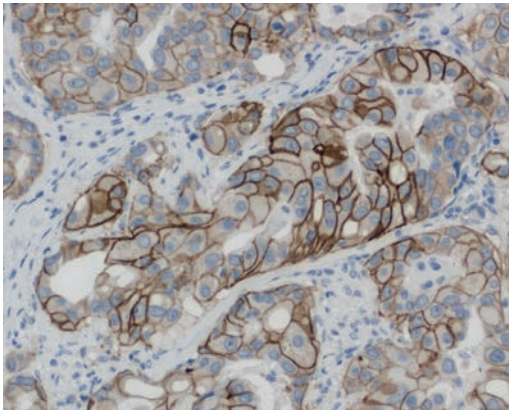- ✓ Education & Documentation
- ✓ Archiving
- ✓ Remote Access

Quality Driven to the Max!
High sensitivity CMOS sensor combined with a high quality apochromatic 20x objective lens

**Single Click Scan**
Proprietary tissue detection algorithms
for user unattended scanning with 99% accuracy

Copes with Unevenness and Variability
SmartFocus™ high precision real-time focus overcomes uneven tissue samples and thickness variability
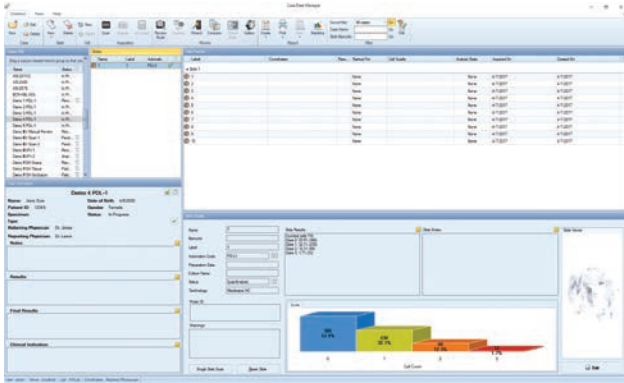
Centralized Scanning with Remote Review & Analysis

Lab LIMS

GenASIs AnyWhere

GenASIs Database

Scanner

Pathologists
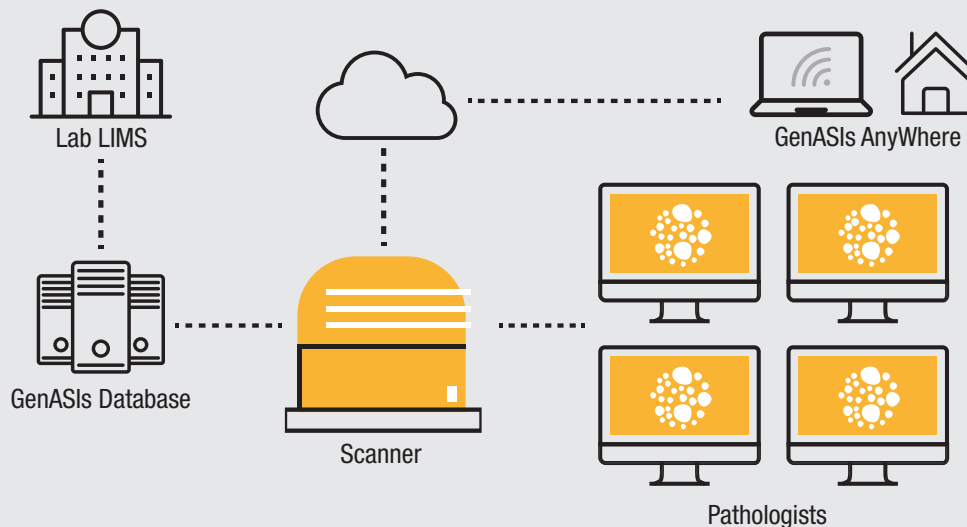
Data Management and Connectivity

Modern Paperless Workflow

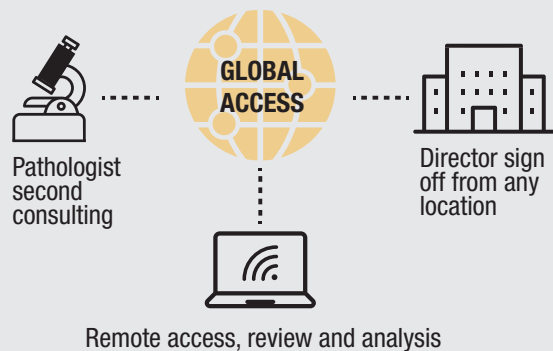## Central Portal and Database
Easily Integrates with Lab LIMS

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

GLOBAL ACCESS

Pathologist second consulting

Director sign off from any location

Remote access, review and analysis

Advanced Reporting

1D/2D Barcode Reader

LIMS Connectivity

✓ Performance

✓ Security

✓ Data Integrity

HIPAA Compliant

	Manual 1 Slide	9 Slides	99 Slides
Microscope Support	BF upright microscopes	OLYMPUS BX61 OLYMPUS BX63 ZEISS AxioImager Z2	OLYMPUS BX61 OLYMPUS BX63 ZEISS AxioImager Z2
Objectives	4x/0.16 or 5x/0.16 10x/0.3 20x/0.5	4x/0.16 or 5x/0.16 10x/0.3 20x/0.5	4x/0.16 or 5x/0.16 10x/0.3 20x/0.5
Camera	5MP CMOS Color	5MP CMOS Color	5MP CMOS Color
Slide Capacity	1 slide	9 slides	99 slides PLUS
Barcode	Handheld 1D/2D	Handheld 1D/2D	Integrated 1D/2D
Dimensions (WxDxH)	20cm x 60cm x 50cm	45cm x 90cm x 85cm	100cm x 90cm x 85cm
Weight	8 kg	54 kg	82 kg

North America
Applied Spectral Imaging Inc.
Tel: +1 760 929 2840
sales-inc@spectral-imaging.com

Headquarters
Applied Spectral Imaging Ltd.
Tel: +1 817 886 6031
sales@spectral-imaging.com

APPLIED
SPECTRAL
IMAGING

www.spectral-imaging.com