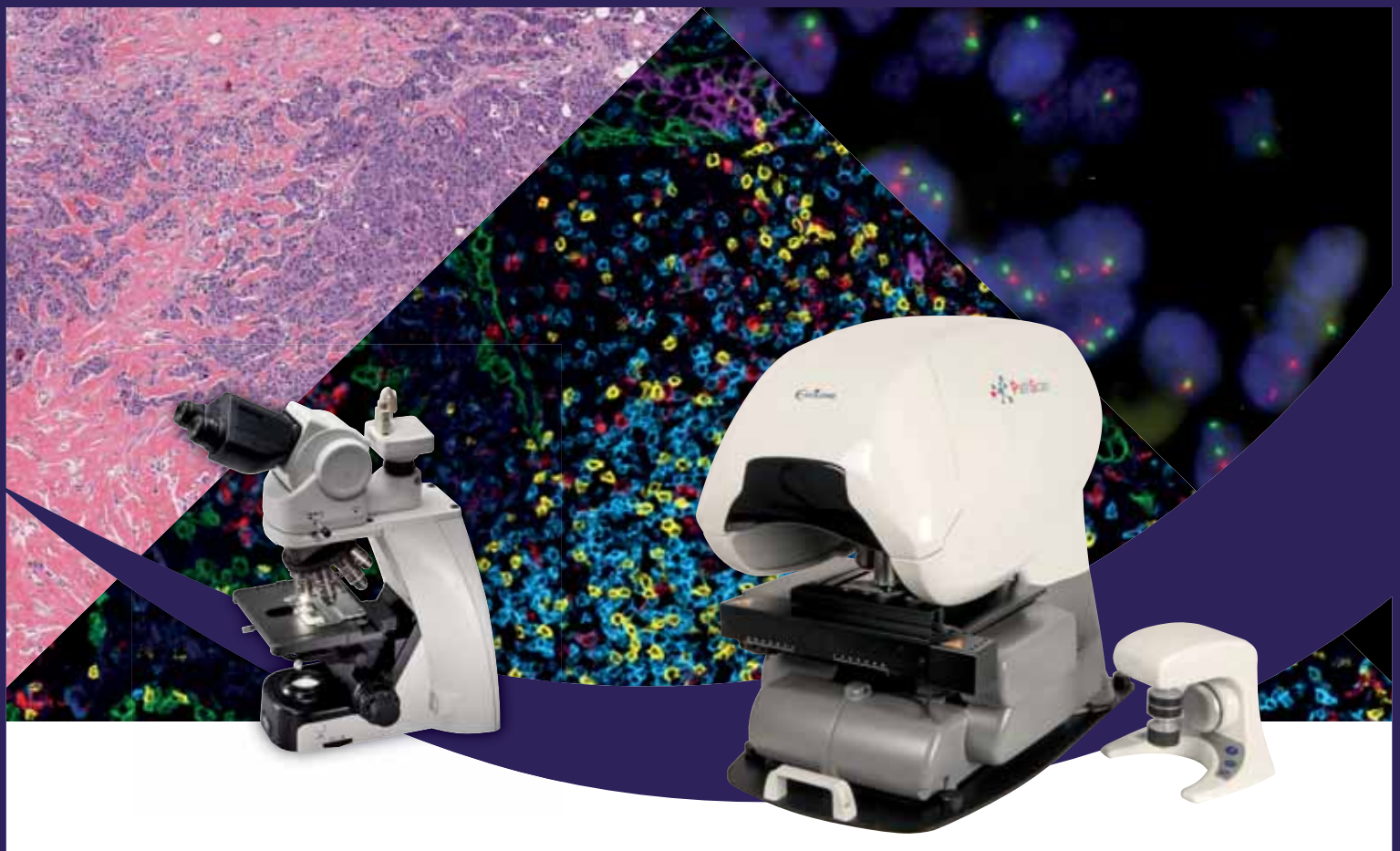
PathScan®

Innovative digital pathology solutions



HIGH QUALITY, NO COMPROMISE

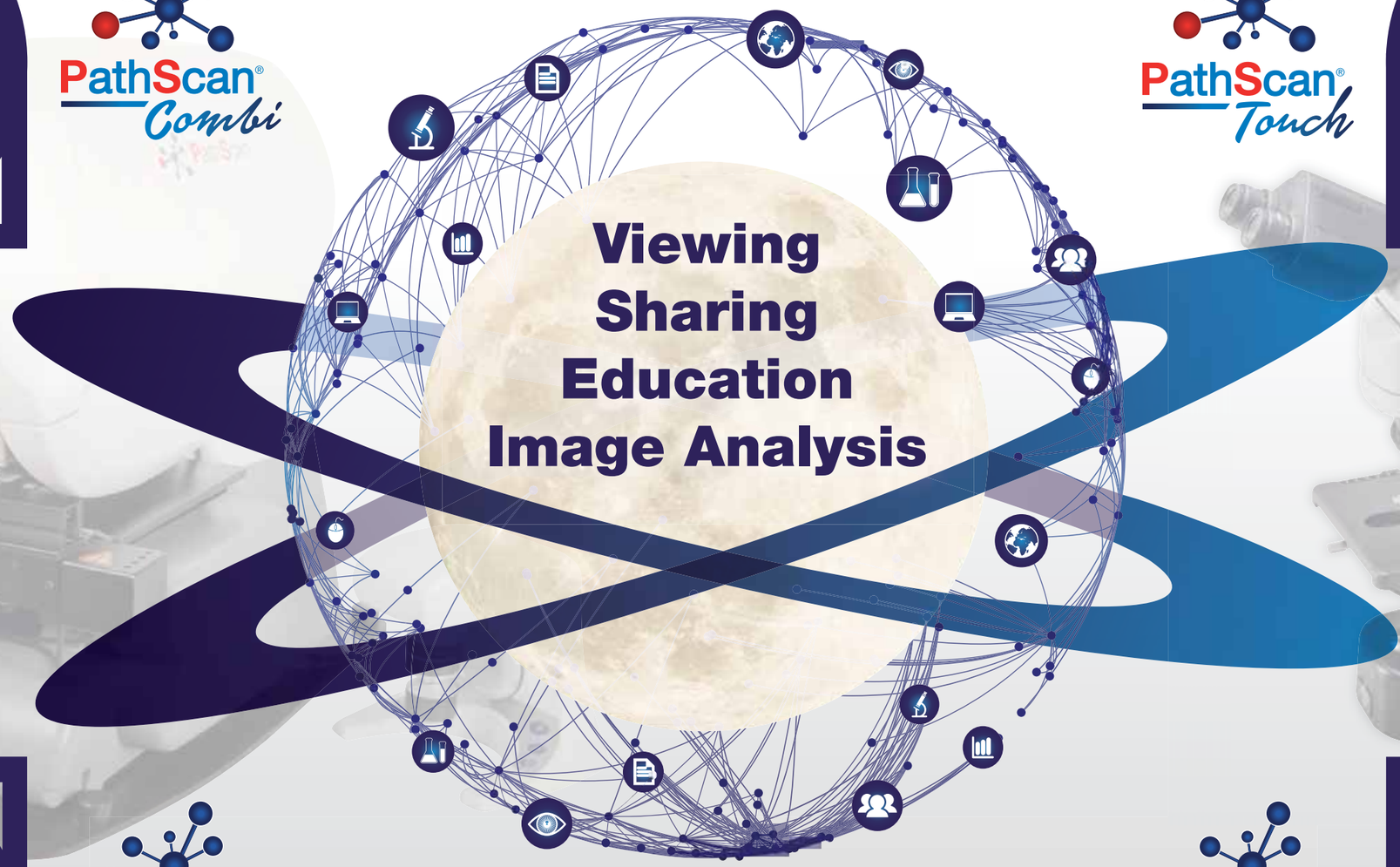
Several needs uncovered, find out your PathScan® system.

EXCILONE

Flexibility, image quality, versatility

- Combines HR and FISH performance
- FISH and Brightfield matching
- Multiple applications in Fluo/FISH/Multiplex

PathScan® Combi



PathScan® Touch

- Based on manual microscope
- Affordable solution
- Manual whole slide imaging
- Second Opinion
- Frozen section

- Scanning with oil immersion
- Agnostic for probes
- Image analysis on board
- Virtual Z stack
- Multiplex whole slide scanning

PathScan® Fish

Nikon

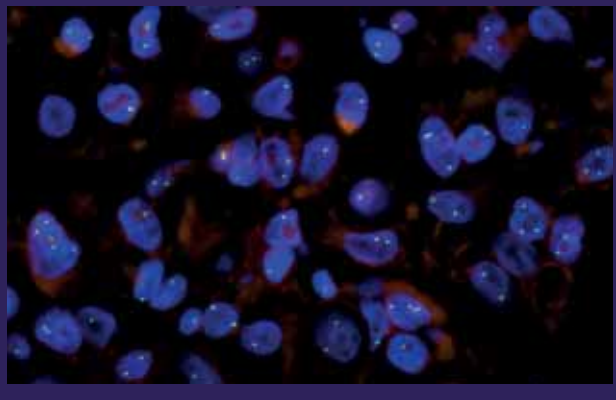
PathScan® HR

- High resolution scanning for brightfield
- x10, x20, x40, x60 oil
- Image analysis on board (Optional)

Microscope based technology

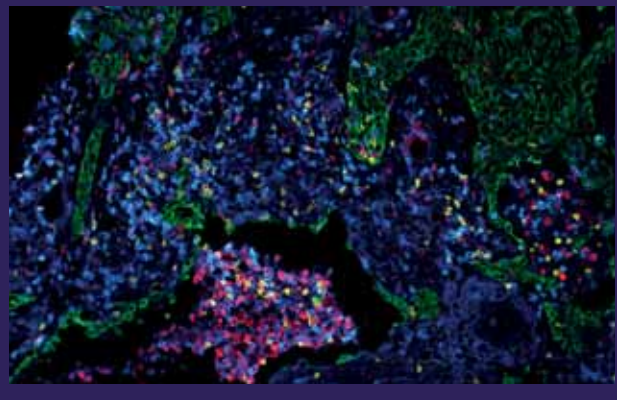
FISH

PathScan Fish PathScan Combi



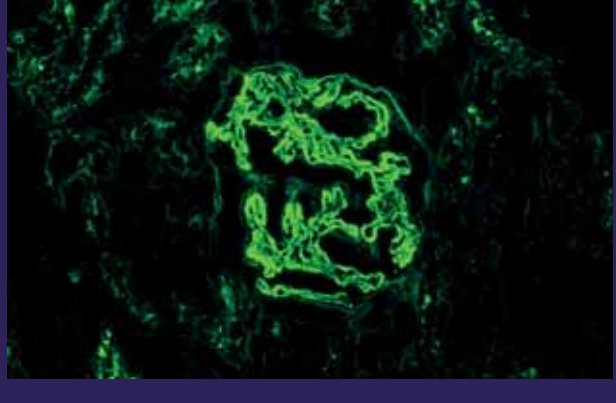
MULTIPLEX

PathScan Fish PathScan Combi



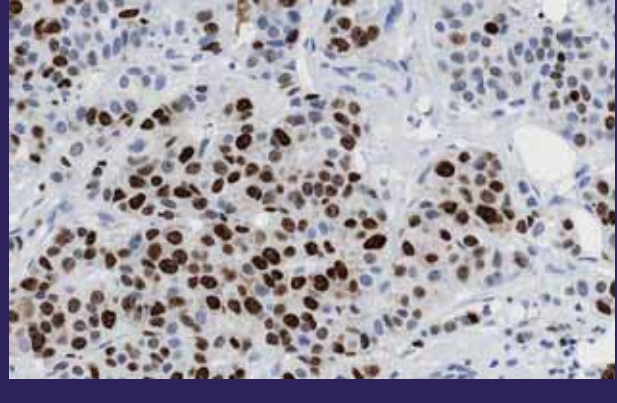
FLUORESCENCE

PathScan Fish PathScan Combi



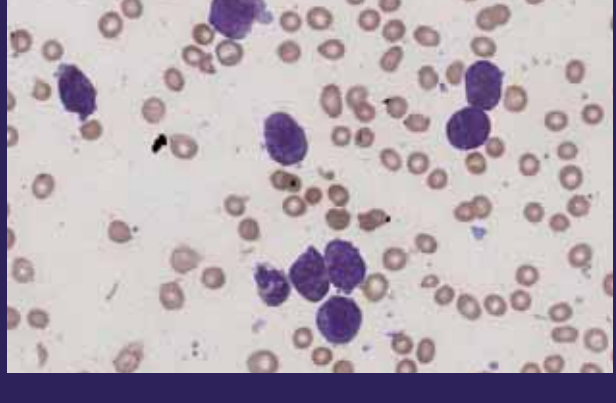
BRIGHTFIELD

PathScan HR PathScan Combi PathScan Touch



BRIGHTFIELD HIGH MAGNIFICATION

PathScan HR PathScan Combi PathScan Touch



BRIGHTFIELD AND FISH MATCHING

PathScan Combi

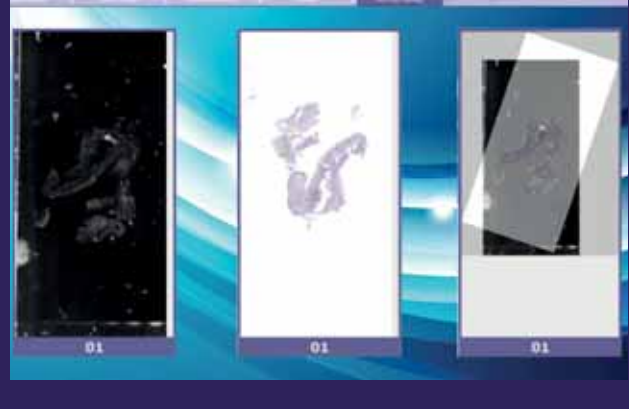
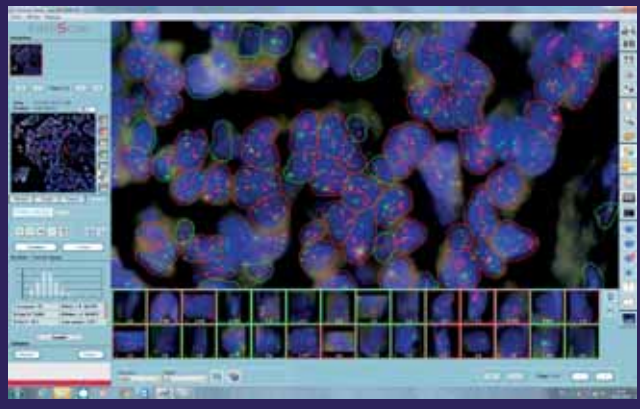


IMAGE ANALYSIS ON BOARD

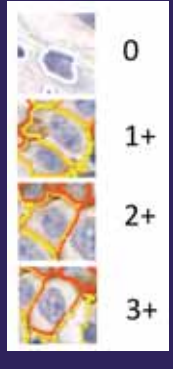
FISH Amplification/Translocation

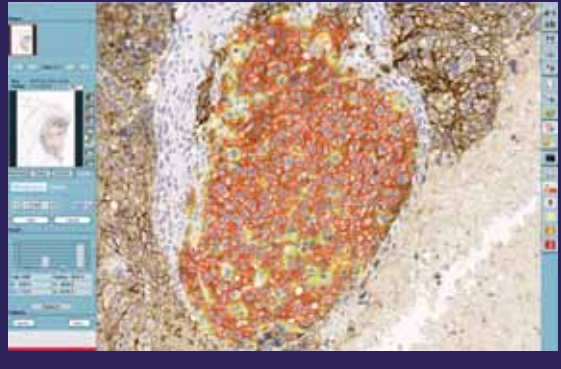
- Following ECA recommendation*
- Virtual FISH Slide
- High Image quality with oil immersion objective
- Automated image analysis in tumor area
- On board personalized protocole
- Z stack capture and reviewing
- Evaluation of the HER2/CEP17 amplification
- Evaluation of either break apart or dual fusion probes (Alk, ROS…)
- Identification of tumor nuclei and gene expression of spots
- Nuclei classified as positive or negative
- Personalized rules for protocol



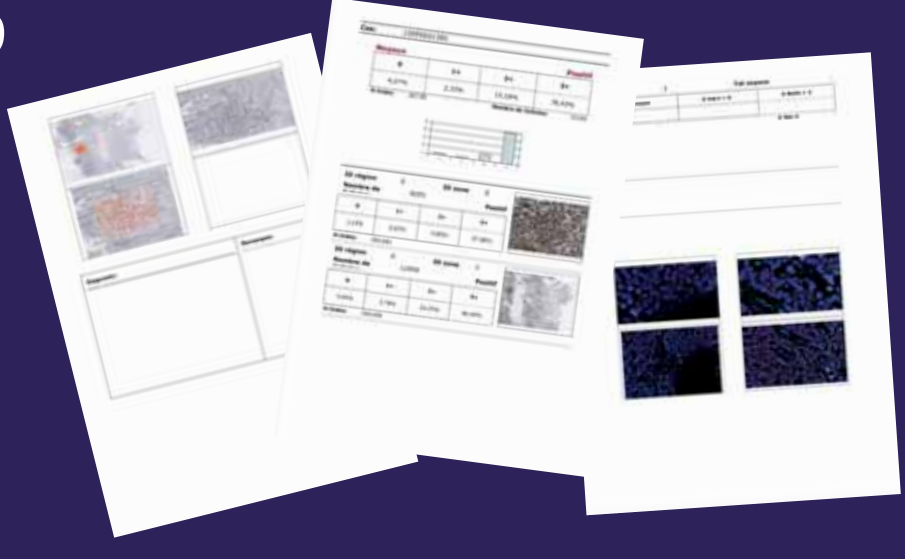
Brightfield Membrane/Nuclei IHC

- Analysis of membranous immunohistochemical markers
- Quantitative measuring of tumor sample of ER, PR and Ki-67
- Nuclei classified as positive or negative
- Staining level classified as 0, 1+, 2+, 3+
- Personalized analysis profiles
- Evaluation rules in compliance with ASCO-CAP Guideline Recommendation





PERSONALIZED REPORT



** ECA Recommendation Janv 2012 (extract) :*

Evaluation I - Fluorescent signals
- Quality of signal : signals should be bright, compact and not patchy.
- Background interference : areas with high background and/or high autofluorescence should be avoided (background should appear as dark and as free of haziness as possible)

Evaluation II- Scanning & scoring
- Scan the slide in low power magnification looking for tumour cell areas corresponding to the marked areas in the H&E slide
- In each selected area, score only single non overlapping nuclei with a clear intact nuclear membrane, avoiding areas of tumour necrosis and nuclei with ambiguous borders and ignoring cells with weak signals.

SPECIFICATIONS




	PathScan ®Touch	PathScan® HR	PathScan® Combi	PathScan® Fish
Slide loading	2 slides Manual	8 slides Auto	8 slides Auto	8 slides Auto
Microscope based	Nikon Microscope			
Available Objectives	4x, 10x, 20x, 40x	4x, 10x, 20x, 40x, 60xoil	2x, 4x,10x, 20x, 40x, 60xoil	4x, 20x, 60xoil
Number of objectives	Up to 6 Nikon Objectives	up to 7 Nikon objectives		
Scanning magnification	4x, 10x, 20x, 40x	10x, 20x, 40x, 60xoil		20x, 60xoil
Resolution Fluorescence	Not available	Not available	0,32µm/pixel at 20x - 0,16µm/pixel at 40x - 0,107µm/pixel at 60x	
Resolution Brightfield	0,29µm/pixel at 20x 0,15µm/pixel at 40x	0,5µm/pixel at 20x - 0,25µm/pixel at 40x		Not available
Image format	Tiff/SVS	Jpeg2000		
Barcode reader	No	Yes in option		
Brightfield illumination	LED			No
Fluorescence illumination	No		Metal Halide Lamp	
Maximum number of filters	No		Up to 5	Up to 6
Digital microscope	Yes			
Camera	Color	Color	Color & Monochrome	Monochrome
Monitor	24” High Resolution LCD (1920x1200)			
Connection to LIS	No	in option		
Image Analysis Modules (Brightfield)	Compatible	Membrane, nuclei (In option)		Not available
Image Analysis Modules (FISH)	Not available	Not available	Yes	
Web Application	Yes			
Joystick	Not available	Yes		
Operating temperature	18 - 32°C			
Input Voltage	AC 110-120 V or 220-240 V 50-60 Hz			
Weight (kg)	18	48		
Dimension (cm)	(H) 55 x (D) 31 x (W) 33	(H) 50 x (D) 40 x (W) 68		
Reference	EXCS-PST-C	EXCS-PS-H2	EXCS-PS-C2	EXCS-PS-F2

Distributor

EXCILONE

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