

# Discover the Difference in Image Analysis

From brightfield to fluorescence, we have everything you need for whole-slide image analysis.

## Basic, Translational and Pre-Clinical Research

## Clinical Applications

## Interfaces



### Image Analysis Toolbox

#### BRIGHTFIELD

##### Stain Separation

- Deconvolution
- Basic Colocalization

##### Cell-Based Quantification

- Nuclear
- Membrane
- Cytoplasm

##### Tissue Analysis

- Pattern Recognition
- Area Quantification
  - Single Threshold
  - Multiple Thresholds
- Rare Event Detection
- Microvessels

#### FLUORESCENCE

##### Dye Separation

##### Basic Colocalization

##### Tissue Analysis

- Pattern Recognition
- Area Quantification
- Single Threshold
- Multiple Thresholds



### Tissue Studio®

#### BRIGHTFIELD

##### Cell-Based Analysis

- Morphometry

#### FLUORESCENCE

##### Dye Separation

- Advanced Colocalization

##### Cell-Based Quantification

- Nuclear
- Membrane
- Cytoplasm
- Morphometry

##### Tissue Analysis

- Microvessels



### newCAST

#### BRIGHTFIELD

- Stereology

#### FLUORESCENCE

- Stereology



### AQUA®

#### FLUORESCENCE

- Biomarker Quantification



### Clinical Image Analysis

#### BRIGHTFIELD

##### FDA Cleared:

- HER2, ER, PR

##### Cell-Based Analysis




- Nuclear
- Membrane
- Cytoplasm



### Image-Pro®

In combination with Spectrum when database required



FEATURES	APERIO	DEFINIENS TISSUE STUDIO® 3.0	VISIOPHARM NEWCAST	HISTORX AQUA®	IMAGE ANALYSIS PARTNERS
<b>APPLICATIONS</b>	✓	✓			
IHC Stain Support	✓	✓	✓		
IF Stain Support	Limited	✓	✓	✓	
H&E Stain Support	✓	✓	✓		
Stain Separation	✓	✓			
Colocalization	✓	✓			
Nuclear Quantification	✓	✓		✓	
Membrane Quantification	✓	✓		✓	
Cytoplasmic Quantification	✓	✓		✓	
FDA HER2	✓				
FDA ER	✓				
FDA PR	✓				
Microvessel Analysis	✓				
Area Quantification	✓	✓			
Rare Event Detection	✓				
Pattern Recognition	Genie	Composer			
Stereology			✓		
<b>FLUORESCENCE</b>	✓	✓	✓		
Channels	12	12	TBD		
Tissue Microarrays	✓	✓		✓	
<b>CAPABILITIES</b>					
Annotation	Man	Man+Auto			
Cell/Object Exclusion		✓			
Object Classifiers		Over 50	Yes		
Batch Processing	✓	✓	✓		
Report Output	CSV	CSV	CSV		
<b>CUSTOMIZED WORKFLOW</b>		✓	✓		
<b>File Support:</b>					
Aperio	✓	✓	✓		
TIFF	✓	✓	✓		
JPEG	✓	✓	✓		
JPEG2000	✓	✓	✓		
BMP	✓	✓	✓		
Hamamatsu		✓	✓		
Applied Imaging		✓			
Bacus		✓			
TissueGnostics					
Zeiss			✓		
Leica			✓		
<b>SDK</b>	✓	✓			
<b>PROFESSIONAL SERVICES</b>	✓	✓	✓		
<b>APP CENTER</b>	✓				

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