



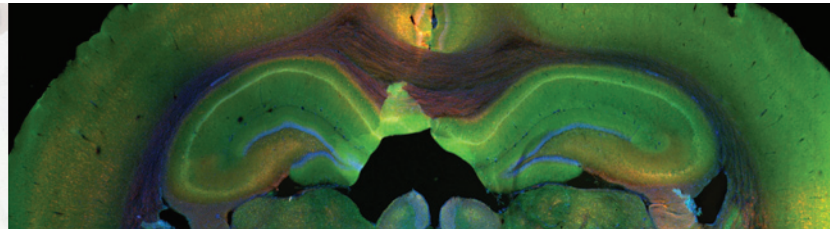
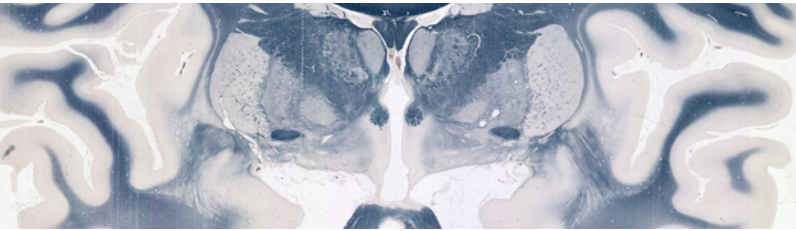
# Huron Technologies

Illuminating Pathology™

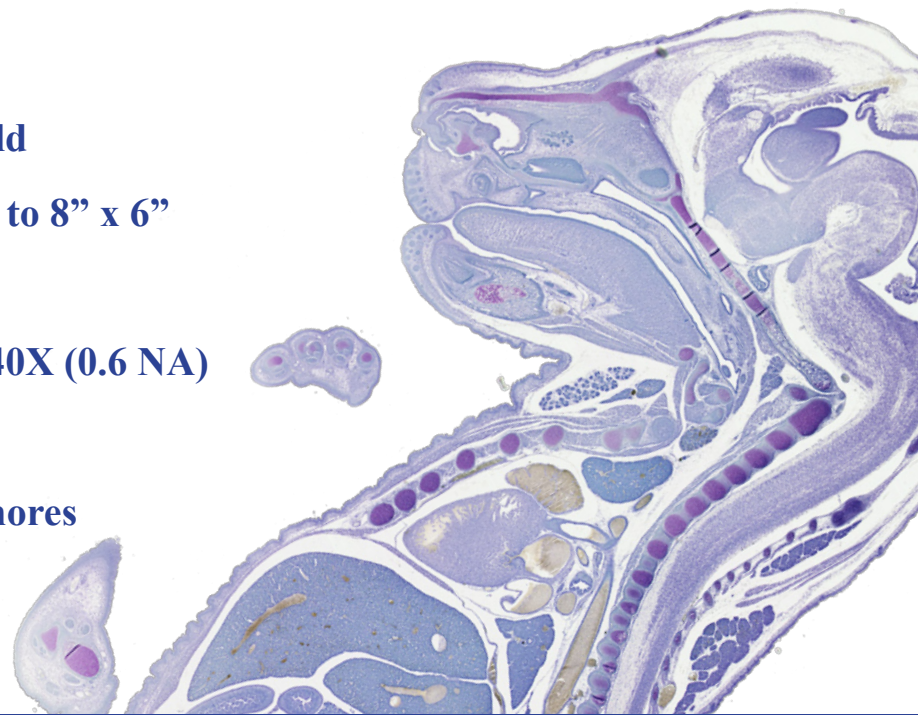


## TISSUEscope™ Slide Scanner

Huron Technologies develops world leading slide scanning solutions for digital pathology. The TISSUEscope™ Scanner is a high resolution versatile platform capable of imaging specimens up to 8" x 6" in confocal fluorescence and brightfield.



- Confocal fluorescence & brightfield
- Image all glass slides from 3" x 1" to 8" x 6"
- Whole mount tissue specimens
- High resolution including 20X & 40X (0.6 NA)
- Automatically collect Z stacks
- Simultaneously acquire 3 fluorophores



# TISSUEScope™ Scanner Technical Specifications

Detection Modes	Brightfield and confocal fluorescence: simultaneous acquisition of up to three fluorophores		
Fluorescence Detectors	High-sensitivity photomultiplier tube		
RGB Detector	RGB sensor		
Image File Type	BigTIFF (16-bit greyscale & 24-bit RGB)		
Focus	Automatic (manual available)		
Standard Lasers	Red, green, blue and violet (638, 532, 488 and 405 nm): fibre coupled and solid state		
Optional Laser	1 additional wavelength chosen from 561, 680 or 750 nm		
Emission Filters	Matched to standard fluorophores (Cy5,Cy3,FITC,DAPI)		
Resolution (Pixel Size)	0.25, 0.5, 1, 2, 5, 10, 20, 30, 50 and 100 microns		
Slide Dimensions	3" x 1" (75 mm x 25 mm)	3" x 2" (75 mm x 50 mm)	4" x 3" (100 mm x 75 mm)
	5" x 4" (125 mm x 100 mm)	7" x 5" (175 mm x 125 mm)	8" x 6" (200 mm x 150 mm)
Slide Holder Options	7 slides 3" x 1" (75 mm x 25 mm)	4 slides 3" x 2" (75 mm x 50 mm)	2 slides 4" x 3" (100 mm x 75 mm)
	1 slide 5" x 4" (125 mm x 100 mm)	1 slide 7" x 5" (175 mm x 125 mm)	1 slide 8" x 6" (200 mm x 150 mm)
	Custom sample holders available upon request		
Dynamic Range	12-bit data acquisition		
Scan Speed	10 mm x 10 mm @ 0.5 micron < 2 minutes		
Maximum Scan Area	8" x 6" (200 mm x 150 mm)		
Scanner Dimensions	600 mm (W) x 700 mm (D) x 550 mm (H)		
Scanner Weight	130 kg		
Computer and Monitor	Windows PC and 24" display		
Power Input	90–250V, 50–60Hz, 4 amps		
Operating Temperature Range	10°C to 40°C		
Certification	CSA (CUS), meets FDA regulations for CLASS I Laser-Based Products		
Warranty and Service	Parts and Labour: One year from installation date		

The TISSUEScope™ Scanner is intended for research and educational purposes only.

Core™2 is a trademark of Intel Corp. Windows Vista is a trademark of Microsoft Corp. Fluocells™ is a registered trademark of Molecular Probes, Inc. TISSUEScope™ Scanner and MACROView™ are trademarks of Huron Technologies. The TISSUEScope™ Scanner is based on one or more of the following U.S. Patents: 7,218,446 / 6,072,624 / 5,760,951 / 5,737,121 / 5,532,873 / 5,381,224 / 5,386,112 / 5,192,980. US and international patents pending.

## Huron Technologies

550 Parkside Drive, Unit B6  
 Waterloo, ON Canada N2L 5V4  
 T (519) 886-9013 F (519) 886-5300  
 E-mail: [info@Huron-Technologies.com](mailto:info@Huron-Technologies.com)  
[www.Huron-Technologies.com](http://www.Huron-Technologies.com)

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**For more information about the TISSUEScope™ Scanner, please contact:**