

3DHISTECH

Solution resides in the details

PANNORAMIC CONFOCAL

WHOLE SLIDE CONFOCAL SCANNING: CLEAN SIGNALS OVER THE WHOLE SAMPLE, WITHOUT BACKGROUND AT EVERY FOCUS LAYER.

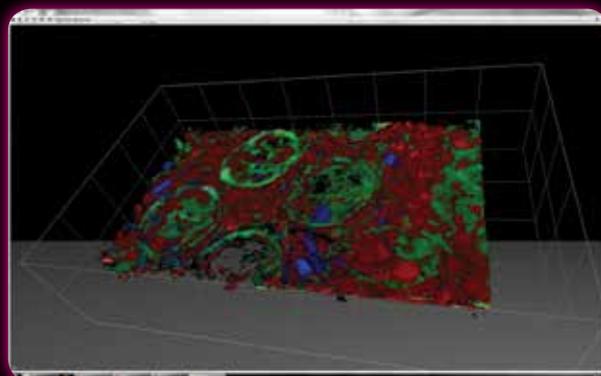
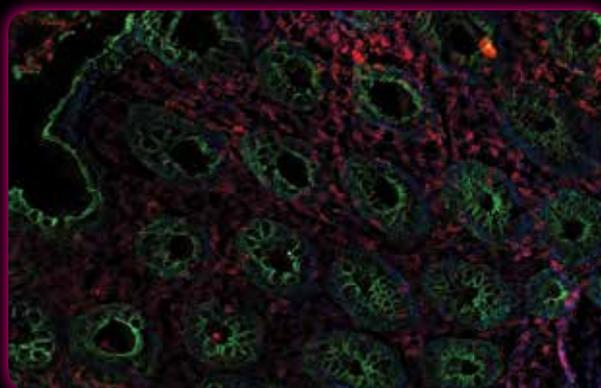
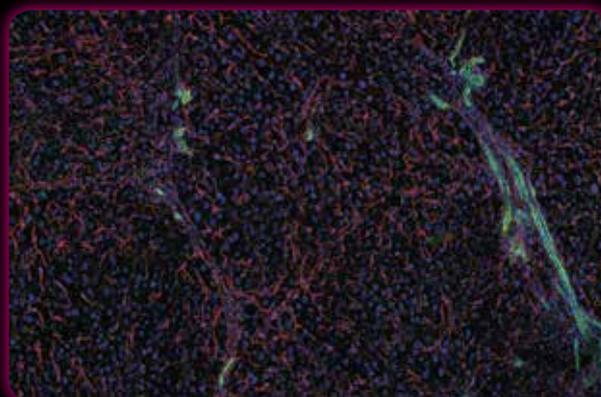
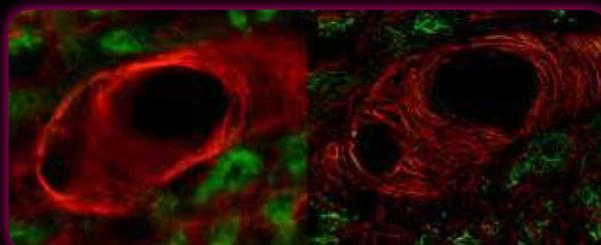
3DHISTECH presents its latest addition to research pathology. By combining confocal imaging with award-winning whole slide scanning technology, your immuno-fluorescent samples will appear on your screen in unprecedented quality!

With 3DView, the digital 3D reconstruction of the fluorescent images gives an amazing insight view of the whole specimen.



FEATURES

- Innovative structured illumination confocal imaging to overcome the limitations of spinning pinhole-disc techniques. This delivers the highest light efficiency with minimal bleaching and fastest scanning speed.
- Colocalized Fluorescent and Brightfield imaging
- Automated water immersion for high NA objectives
- Darkfield preview
- Motorized Objective changer
- 1D and 2D barcode reading
- DDIC (Digital Differential Interference Contrast) for low contrast brightfield visualization



SPECIFICATIONS

Slide capacity	12 slides
Acceptable slide formats	25 x 75 mm, 1 mm thickness
Default objectives	Zeiss C-Apochromat 40x/1.2W, Plan-Apochromat 20x/0.8
Camera type	5.5Mpx, 16 bit, low noise (1.3 e-) pco.edge cooled scientific CMOS camera
Image resolution (in focus plane)	0,4 µm FWHM (with 40x 1.2NA objective)
Resolution	0.16 µm/pixel (0.4 µm FWHM)
Confocal sectioning	0.2 µm focus steps (1.43 µm FWHM)
Fluorescent illumination	6 channels Solid state light engine, 15,000 hrs lifetime
Default fluorescent filter sets	Quad band: DAPI/FITC/TRITC/Cy5, Single band: Sp. Aqua, Sp. Gold, Sp. Red
Brightfield illumination	3 chip equivalent separated R-G-B LED
Digital slide format	Proprietary digital slide format (MRXS) with lossless or JPG/JPG2000/ Jpeg XR encoding
Instrument dimensions W x D x H	95 cm x 57 cm x 100 cm
Weight	90 kg

Production and
development by

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