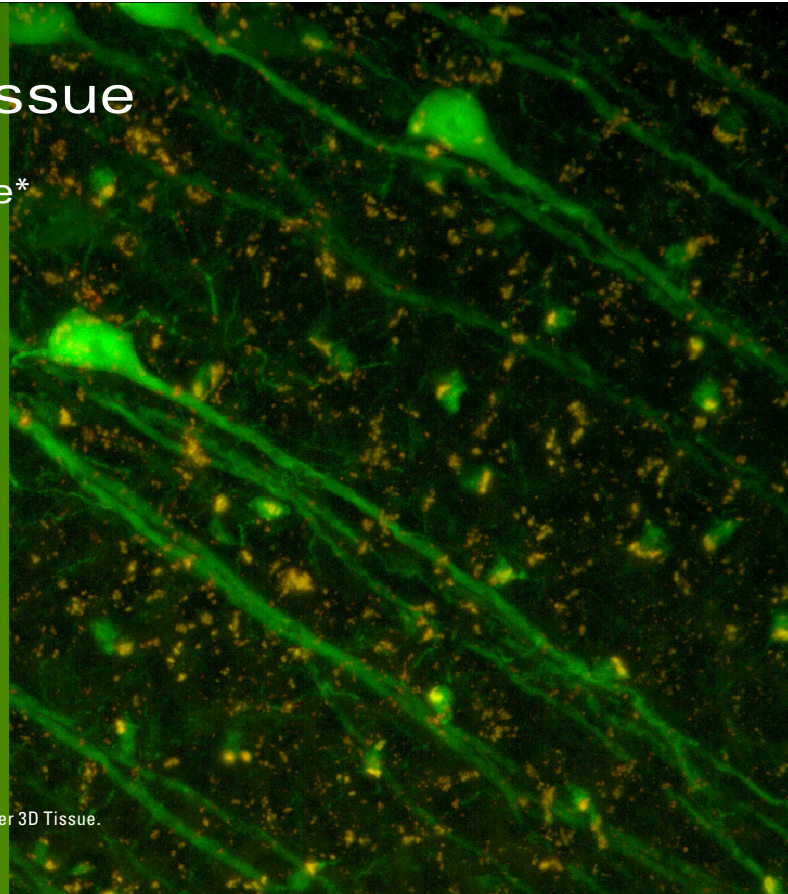


# THUNDER Imager Tissue

Decode 3D Biology in Real Time\*

YFP mouse brain slices stained with GFAP-A647. Imaged with a THUNDER Imager 3D Tissue.  
Courtesy Dr. Hong Xu, University of Pennsylvania, Philadelphia (USA).



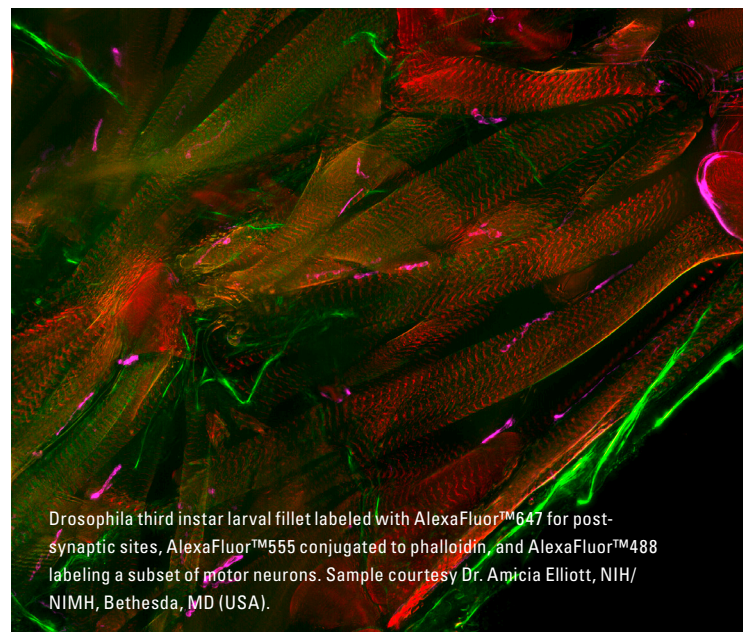
The THUNDER Imager Tissue is a new instrument for real time fluorescent imaging of 3D tissue sections typically used for neuroscience and histology research.

THUNDER Imagers remove the out-of-focus blur that comes with three-dimensional samples through Computational Clearing, an exclusive new breakthrough technology. You still benefit from the imaging speed, maximum fluorescence efficiency, and ease of use common to widefield microscopes.

With a THUNDER Imager Tissue, you have these advantages:

- > Rapid acquisition of blur-free images showing ultrafine morphology, even deep within thick sections
- > Fast overviews of whole tissue sections
- > Image and analyze challenging tissue sections with an easy workflow

The THUNDER Imager Tissue is part of the THUNDER family of imaging systems.



Drosophila third instar larval fillet labeled with AlexaFluor™647 for post-synaptic sites, AlexaFluor™555 conjugated to phalloidin, and AlexaFluor™488 labeling a subset of motor neurons. Sample courtesy Dr. Amicia Elliott, NIH/NIMH, Bethesda, MD (USA).



## Image your whole specimen in a breathtakingly short time

Image the whole specimen in one shot with THUNDER Imager Tissue. You can acquire outstanding images of thick specimens showing the finest cellular structures. Achieve greater productivity with THUNDER than much slower point-scanning or multi-scan imaging systems.

Easily collect clear, detailed images of larger tissue sections. Using a THUNDER Imager Tissue together with the LAS X Navigator software, you get a blur-free overview of your complete tissue sample. Such high-resolution overviews allow you to quickly navigate your specimen and choose regions of interest.

### With THUNDER Imager Tissue, you take full advantage of:

- > Brilliant results in seconds
- > Instant display of haze-free images during acquisition - no need to wait until the experiment is finished
- > Achieve image quality with thick samples, formerly only possible with confocal systems
- > Make your life easier with intelligent automation
- > No need to calibrate or adjust moving hardware components

CONNECT  
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