

# THUNDER Imager Model Organism

Decode 3D Biology in Real Time\*

Mouse neurofilaments stained in red to assess neuronal outgrowth in this wt sample. Sample courtesy Yves Lutz, Centre d'imagerie, IGBMC (France).

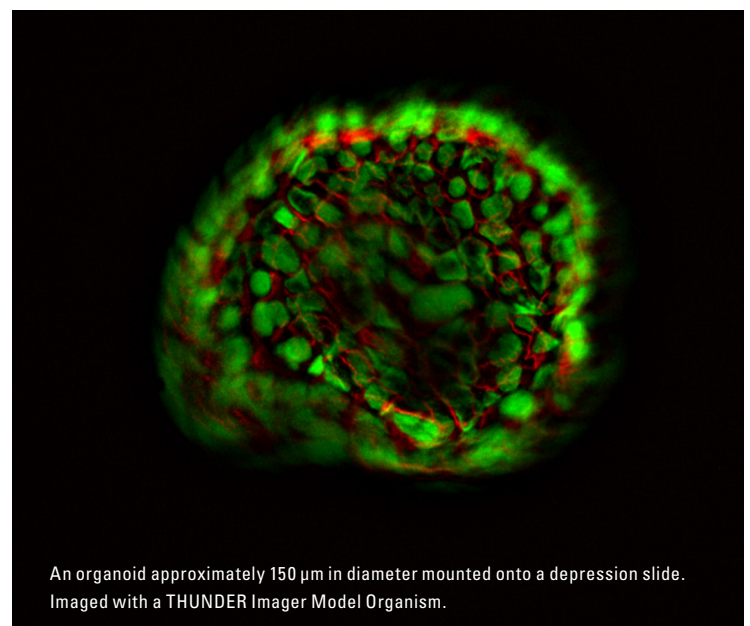
The THUNDER Imager Model Organism is your solution for the 3D exploration of whole organisms used for developmental or molecular biology research.

THUNDER Imager removes the out-of-focus blur that comes with three-dimensional samples through Computational Clearing, now available directly in your live preview. You also still benefit from the capabilities and ease-of-use that Leica stereo microscopes are well known for.

**With THUNDER Imager Model Organism, you have these advantages:**

- > Get computationally cleared images directly in your live preview with THUNDER Live
- > Rapid acquisition of blur-free images showing fine details, even from 500  $\mu\text{m}$  deep within thick organisms
- > Keep even large model organisms under excellent physiological conditions during imaging
- > Simplify your organism handling for a more efficient imaging and analysis workflow

The THUNDER Imager Model Organism is part of the THUNDER family.



An organoid approximately 150  $\mu\text{m}$  in diameter mounted onto a depression slide. Imaged with a THUNDER Imager Model Organism.



## Blur-free images with fine details

Get the most information from your precious model organisms and reveal stunning details. Take advantage of the leap forward in image quality with THUNDER imager systems compared to conventional stereo microscopes. THUNDER removes the non-relevant background, while interesting details are preserved.

The THUNDER Imager Model Organism allows you to obtain great results for applications like:

- > Characterization of model organism transgenic lines (developmental biology)
- > Detailed observation of model organisms in real time (developmental biology, cardiology)
- > Investigating development of neuronal networks (neuroscience)

### **With THUNDER Imager Model Organism, 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
- > Removal of out-of-focus blur efficiently even from single plane acquisitions
- > No need to calibrate or to adjust moving hardware components

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