



# MICRON<sup>®</sup>

## Image-Guided Laser

On the web: <https://phoenixmicron.com> Email us at: [sales@phoenixmicron.com](mailto:sales@phoenixmicron.com)

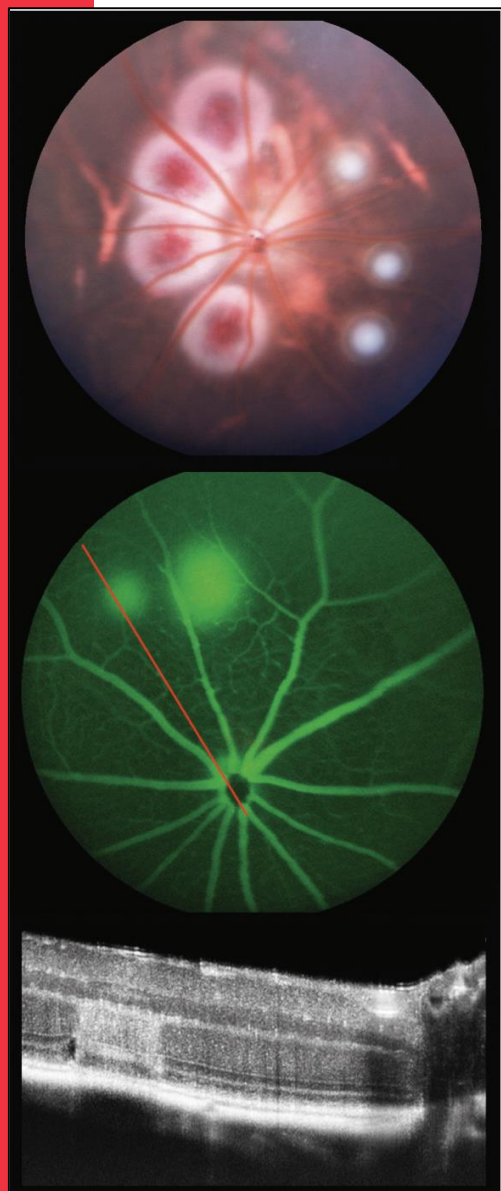


Image-Guided Laser System

(top to bottom): Laser burns of varying intensities on a rat, fluorescein angiography on mouse with OCT beam overlay, corresponding OCT of penetration of laser burn on mouse.

### Compact, precise laser delivery

The MICRON Image-Guided Laser system allows lab technicians at all skill levels to deliver precise laser energy to target areas of the subject animal retina, facilitating research into the mechanisms of retinal damage and regeneration. The system provides a live retina view for laser positioning, and the ability to capture before and after still and video images, improving data capture for longitudinal studies.

### Easy Targeting

Laser targeting using image-guidance is much easier and more precise with magnification of the bright field image. Simply align the animal to the MICRON objective lens, position and focus the aiming beam, adjust the laser settings and deliver the energy.

Image guidance can be done with full color or fluorescent images, aiding in targeting the laser.

### Pair with OCT to Confirm Laser Burns

With the new LT2 lens technology, it is easy to switch from laser delivery to OCT imaging with the MICRON Image-Guided OCT2 system. This allows researchers to observe the efficacy of the laser burns in a single imaging session.

### Clear advantages

With the cornea coupled to the objective lens using a gel interface, the eye is stabilized against movements from respiration, and delivered power is more consistent than through open air. The coupling gel maintains hydration of the cornea, reducing the chances of media opacification.





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**Compatible with MICRON 5 and MICRON IV Cameras**  
MICRON Image-Guided Laser is a modality add-on to both MICRON IV and MICRON 5 cameras.

**450**

Published papers that incorporate MICRON data

**14+**

Years of experience innovating patented small animal imaging technology

**1**

Integrated multi-modality system

**7**

Imaging modalities, designed for exacting small animal ophthalmic research





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Specification	Details
Laser Wavelength	532nm
Spot Size	50 $\mu$ m
Pulse Duration	Up to 5 seconds
Maximum Delivered Power	500 mW
Laser Source	Meridian Merilas 532 green laser photocoagulator
Lenses	Separate objective lenses for mice and rats

