

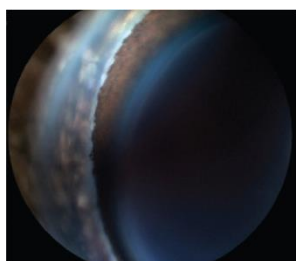


# MICRON<sup>®</sup>

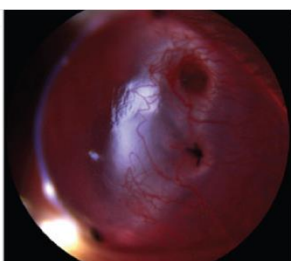
## MICRON Slit Lamp

On the web: <https://phoenixmicron.com>

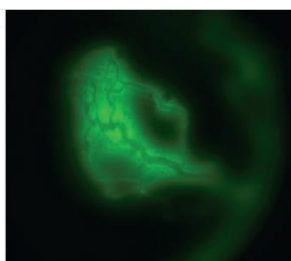
Email us at: [sales@phoenixmicron.com](mailto:sales@phoenixmicron.com)



Iridocorneal Angle



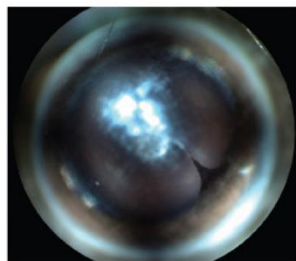
Penetrating Keratoplasty (PKP)



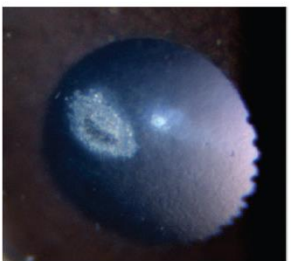
Corneal Neovascularization



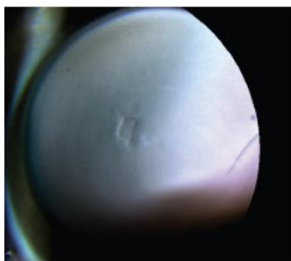
Corneal Vessels



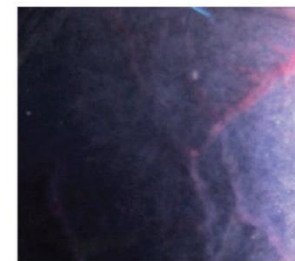
Anterior Synechiae with Corneal Scar



Corneal Scar



Lens Irregularity



Corneal Neovascularization

### Designed for laboratory animals

Phoenix MICRON Slit Lamp attachment for anterior segment imaging is the first of its kind developed specifically for mice and rats. This full featured ophthalmic slit lamp delivers resolutions of four microns while offering both bright field and fluorescent imaging.

#### Key features:

- LED Light Source
- Adjustable slit width and height
- Cobalt blue filter
- Back fill lights
- Compact size, attaches to the MICRON body



Dual back-fill lamps and filters provide additional flexibility for fluorescent imaging, including documenting corneal and crystalline lens findings.





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## MICRON Slit Lamp

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### Perfect for animal research

The MICRON Slit Lamp attachment is designed specifically for the challenges of animal eye research. The system provides versatile illumination techniques ensure visualization of anterior structures:

Lighting Mode	Description
Diffuse	Provides a broad, even light source for general eye examinations.
Direct focal	Highlights specific structures with narrow or or broad beams for detailed assessment.
Retro Illumination	Uses light reflected from the retina to enhance imaging of cataracts and lens abnormalities.
Specular Reflection	Enables high-magnification imaging of the corneal endothelium and tear film
Indirect Illumination	Enhances contrast and visibility of delicate eye structures.
Fluorescein Illumination (Cobalt Blue Filter)	Highlights corneal defects and tear film irregularities.



MICRON 5 Camera



Slit Lamp attachment



Slit Lamp LED Controller

The Phoenix MICRON system is designed to fit easily on limited laboratory bench space with a modular design that extends its capabilities as research needs demand.





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### Slit Lamp Specifications:

Slit-width	0 to 4 mm
Slit-height	0 to 4 mm
Light color	White light or Cobalt blue
Intensity	High dynamic range
Slit beam light source	5w LED
Back-fill light source	Two 5w LEDs mounted on goose-necks
Filter	Blue exciter 469 $\mu\text{m}$ center/35 $\mu\text{m}$ wide
Radial movement of slit column	+/- 90° to axis
Transverse resolution	4 $\mu\text{m}$
Slit Lamp LED controller	on/off switch for slit lamp back fill lights with intensity controls



MICRON 5 Camera



Slit Lamp attachment



Slit Lamp LED Controller

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# MICRON Slit Lamp

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## Compatible with MICRON 5 and MICRON IV Cameras

MICRON Slit Lamp attachment is an accessory that is compatible with both MICRON IV and MICRON 5 cameras.

**1000+**

Published papers that incorporate MICRON data

**15+**

Years of experience innovating patented small animal imaging technology

**1**

Integrated multi-modality system

**8**

Imaging modalities, designed for exacting small animal ophthalmic research

