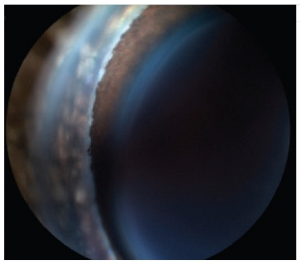
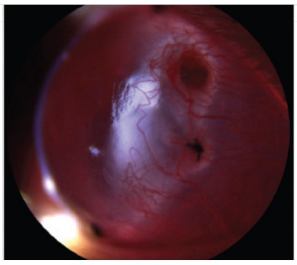
MICRON®

Anterior Segment Imaging System

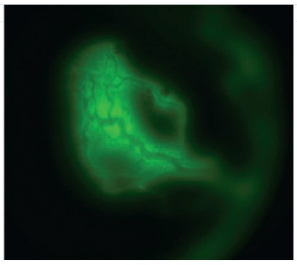
On the web: https://phoenixmicron.com **Email us at**: sales@phoenixmicron.com



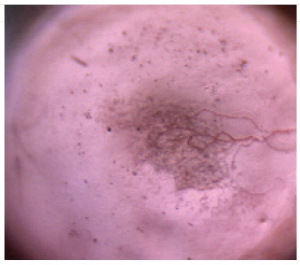
Iridocorneal Angle



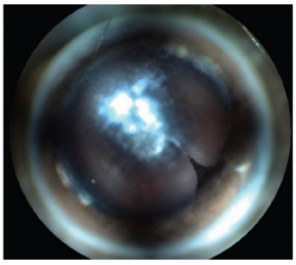
Penetrating Keratoplasty (PKP)



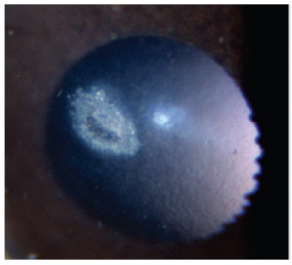
Corneal Neovascularization



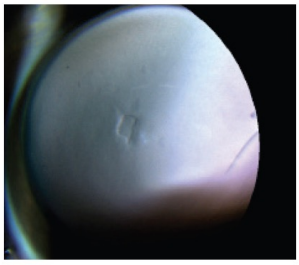
Corneal Vessels



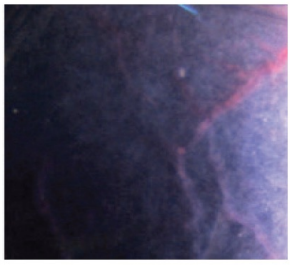
Anterior Synechiae with Corneal Scar



Corneal Scar



Lens Irregularity



Corneal Neovascularization

The **MICRON®Anterior Segment Imaging System** is designed specifically for *in vivo* imaging of 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

MICRON Slit Lamp Attachment

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

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Built for animal eye research

The MICRON Anterior Segment Imaging System is a slit lamp attachment designed specifically for the challenges of animal eye research. The system provides versatile illumination techniques ensure visualization of anterior structures:

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 µm center/35 µm wide
Radial movement of slit column	+/- 90˚ to axis
Transverse resolution	4 µm
Slit Lamp LED controller	on/off switch for slit lamp back fill lights with intensity controls

MICRON 5 with
Anterior Segment Imaging Attachment

LED Controller

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.

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Compatible with MICRON 5 **and** MICRON IV **Cameras**

MICRON Anterior Segment Imaging 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	**8** Imaging modalities, in a compact footprint	**5** The latest generation MICRON Camera	**2** Camera platforms