

Phoenix Anterior Segment Slit Lamp Imaging

It is the first of its kind. The Phoenix Anterior Segment Slit Lamp Imaging System, specifically designed for small animal imaging of mice and rats, is a full-featured ophthalmic slit lamp scaled for the size of laboratory subjects.

Compact, diverse utility

No additional bench or laboratory space is required to achieve superior quality images with the integration of the Phoenix Slit Lamp Imaging System to the Micron IV Retinal Imaging Microscope. Image not only the posterior segment of the eye detail, but document the cornea and lens too.

The system provides bright field imaging as well as a cobalt blue filter for documenting corneal staining with fluorescein. This slit lamp offers variable slit width and intensity as well as dual back-fill lamps for added flexibility of illumination.

Diffuse illumination

By using one or both of the two back fill lights, achieve overview pictures of the eye and adnexa.

Direct focal illumination

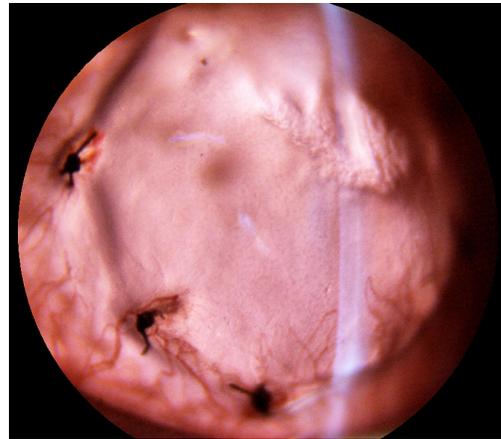
By adjusting the slit beam width and/or height, the subject of interest can be illuminated directly at the plane of focus.

Indirect illumination

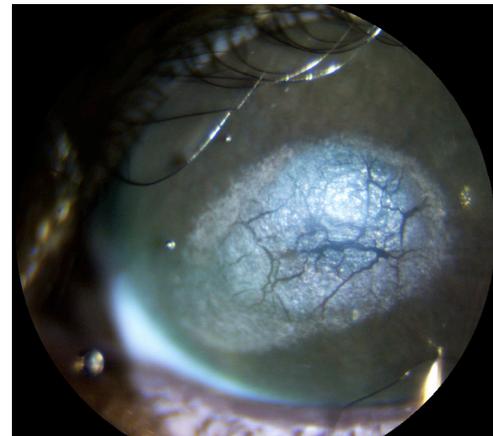
Scattered reflected light from a slit beam positioned adjacent to the pathology will illuminate subtle corneal structures.

Retroillumination

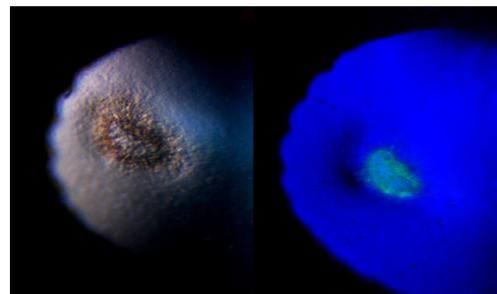
By bouncing light from the back of the eye or the iris, corneal or lens pathology can be illuminated from behind.



Retroillumination of penetrating keratoplasty (rat)



Diffuse illumination of keratitis (mouse)



Indirect illumination of keratitis (mouse) with fluorescein staining (right)

Phoenix Slit Lamp imaging augments research

The Phoenix Micron IV design delivers a unique proposition for image-guided eye research tailored specifically for laboratory animals. The platform supports a family of additional turnkey research instruments including Image-Guided Laser, Focal ERG and Image-Guided OCT. Unlike stand-alone adaptations of human instruments, the Phoenix range of products interface directly with the Micron IV to support image-guided comprehensive studies. With a broad range of applications including basic research, toxicology, pharmaceutical efficacy testing and neurological research, the Micron IV is sure to fuel scientific discoveries, which is at the heart of the Phoenix mission.



Phoenix Anterior Segment Slit Lamp Imaging is compact and tailored for small animal imaging.

PHOENIX ANTERIOR SEGMENT SLIT LAMP IMAGING SYSTEM

SPECIFICATIONS	
Slit beam light source	5w LED
Back fill light source	two 5w LEDs
Filter	Blue exciter 463/35
Radial movement of slit column	+/- 90° to axis
Slit lamp LED controller	on/off switch for slit lamp back fill lights + intensity controls
Integrated with the Phoenix Micron Retinal Imaging Microscope and associated hardware	

Document research every step of the way with the Phoenix Anterior Segment Slit Lamp Imaging System.