Visual Function Assessment Core

We offer technical expertise and instrumentation for *in vivo* visual function assessment in rodents.

ERG

Electroretinogram (ERG)
Celeris ERG system to assess rod and cone photoreceptor responses, RGC, RPE function, VEP between retina and brain, etc.

OCT

Optomotor response (OMR)
A virtual reality system for rapid quantification of visuomotor behavior in rodents to determine visual acuity and contrast sensitivity.

OMR

Slit lamp Microscope
Enables examination of eye structures including cornea, iris, lens, vitreous, and retina.

FA

Optical Coherence Tomography (OCT)
Leica Envisu SD-OCT imaging scans 3D tissue volume providing high-resolution detail and automated analysis of retina and cornea.

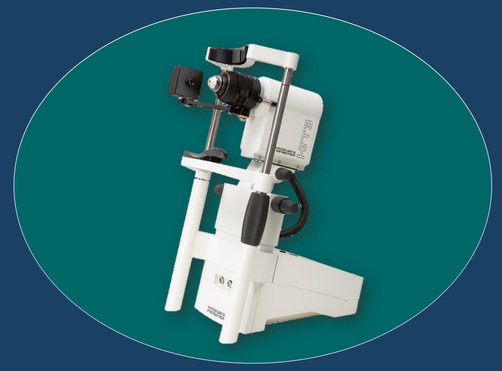
Slit lamp

FA and Fundoscopy
Phoenix Micron with laser system to perform fundus, fluorescein angiography (FA), and laser-induced CNV

Intraocular pressure (IOP)
iCare TONOLAB rebound tonometer for measurement of IOP

Tonometer

In Vivo Corneal Confocal Microscope (CCM)
Heidelberg Engineering microscope for imaging cells and structures throughout the cornea.



CCM

National Eye Institute
NATIONAL INSTITUTES OF HEALTH

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