

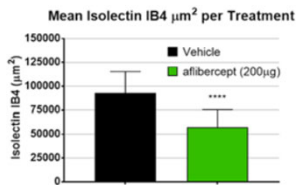
Choroidal Neovascularization Model- Rat or Swine

The experimental laser-induced choroidal neovascularization (CNV) model was designed to assess the efficacy of products in development for wet age-related macular degeneration (wet AMD). Our team of experts has developed a reproducible model with consistent results in two species.

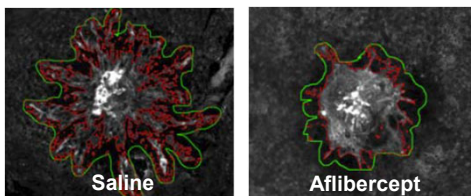
Rat

- ✓ Demonstrates wound-healing pathophysiology
- ✓ Economical
- ✓ Fluorescein angiography provides consistent results

Quantitative Assessment of Lesion Area



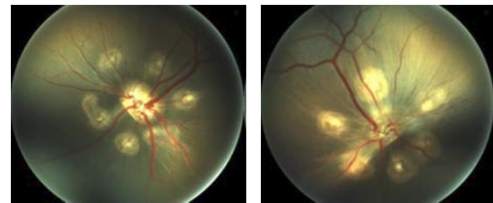
Flatmount Imaging (3 weeks)



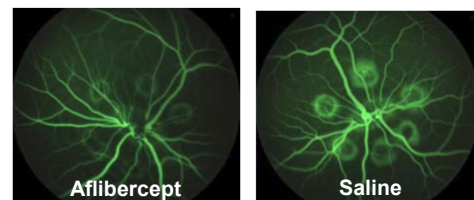
Swine

- ✓ Pharmacokinetically relevant
- ✓ Demonstrates wound-healing pathophysiology
- ✓ Robust and rapid model
- ✓ Fluorescein angiography provides consistent results

Fundus Images



Fluorescein Angiography



Endpoints can include (but are not limited to): slit lamp biomicroscopy and indirect ophthalmoscopy, high resolution fundus imaging, tonometry, fluorescein angiography, optical coherence tomography, electroretinography, flat mounts, and histopathology.

And many other offerings tailored to your needs...

Our Team

Studies are led by our specialized team with decades of experience-

Dr. David Culp, Director of Research, and Dr. Brian Gilger, Board-Certified Veterinary Ophthalmologist

Contact Us

Phone: 919-433-2206 | Email: jduvall@poweredresearch.com | Web: www.poweredresearch.com