康龙化成 PHARMARON

CELL & GENE THERAPY

Ocular Efficacy, PK and Toxicology

The Pharmaron team in the US has over a decade of ophthalmic cell and gene therapy experience, which enables the team to support the advancement and IND approval of your ocular product through preclinical efficacy, PK and biodistribution, safety and GLP-toxicology studies. For anterior or posterior disease indications that cause functional impairment, our team of ocular scientists and board-certified veterinary ophthalmologists help develop your study design, data acquisition/interpretation and clinical translation using state-of-the-art instrumentation for comprehensive, descriptive and functional evaluation of critical endpoints.

Capabilities

Ophthalmic Examination
- Slit-lamp biomicroscopy
- Indirect ophthalmoscopy

Anterior Chamber
- Tonometry
- Pupilometry
- Pachymetry
- Slit-lamp biomicroscopy
- Konan specular microscope
- Heidelberg Spectralis cornea OCT

Posterior Chamber
- ZEISS fundus photography
- Optokinetic response (OptoMotry)
- Heidelberg Spectralis (IR, FA, ICGA & OCT)
- VERIS Electroretinogram (full-field, multifocal ERG)

Services

Disease Models
- Inherited retinal disorder models
  - Royal College of Surgeons (RCS–/–) rats; Rhodopsin (RHO) P23H transgenic rats; Pde6β–/– mice (rd1, rd10); Rd12 mice
- Wet age-related macular degeneration (AMD)
- Glaucoma
- Diabetic retinopathy

Ocular Biodistribution
- Aqueuos humor (taps) and vitreous humor (vitrectomy)
- Tissues (cornea, conjunctiva, sclera, choroid, ICB, TM, lens, retina, RPE, optic nerve)

Routes of Delivery
- Specialized ocular routes of administration (intravitreal, sub-retinal, suprachoroidal, intracameral, subconjunctival)

Species
- WT rat/mouse, rabbit (NZW, Dutch Belted), dog (Beagle), mini-pig (Yucatan, Gottingen)

Facility Accreditations
- AAALAC, USDA, OLAW; ISO(10933) certification; successful FDA inspection in 2021 (NAI)

康龙化成 PHARMARON
www.pharmaron.com
bd@pharmaron.com

Laboratory Services

Chemistry, Manufacturing and Control

Clinical Development

Biologics & CGT

Pharmaron is a premier R&D service provider for the life sciences industry that offers a broad spectrum of research, development and manufacturing service capabilities throughout the entire drug discovery, preclinical and clinical development process across multiple therapeutic modalities, including small molecules, biologics and CGT products.