Lovelace Biomedical offers ocular specialties in performing preclinical efficacy, PK/ocular distribution and safety studies through in-house capacities and our dedicated partners. Studies designed to support drug research and development can be performed using intraocular or systemic administration in both small and large animal species under non-GLP or GLP conditions. Ocular evaluation can be performed as stand-alone ocular efficacy/toxicity studies or a part of general toxicology studies to support therapeutic development targeting various ocular diseases.

### Ocular Capabilities

#### Our Services

- Ocular efficacy, PK, and safety in vivo studies
- Ocular tissue dissection/distribution and systemic tissue distribution
- Intraocular injection (e.g. intracameral), topical and systemic dosing routes
- Ocular pathology
- ACVO board-certified veterinary ophthalmologists partners
- No-contact specular microscopy for imaging and cellular evaluation of the corneal endothelium
- Slit-lamp biomicroscopy
- Indirect and direct ophthalmoscopy
- Tonometry (IOP) evaluations
- Corneal fluorescein staining
- Esthesiometry
- Electretinography (ERG/VEP)
- Pachymetry

### Expert Staff

- **2 Board Certified Veterinary Ophthalmologists**
- **2 Board Certified Veterinary Pathologists**
- **5 Veterinarians**

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