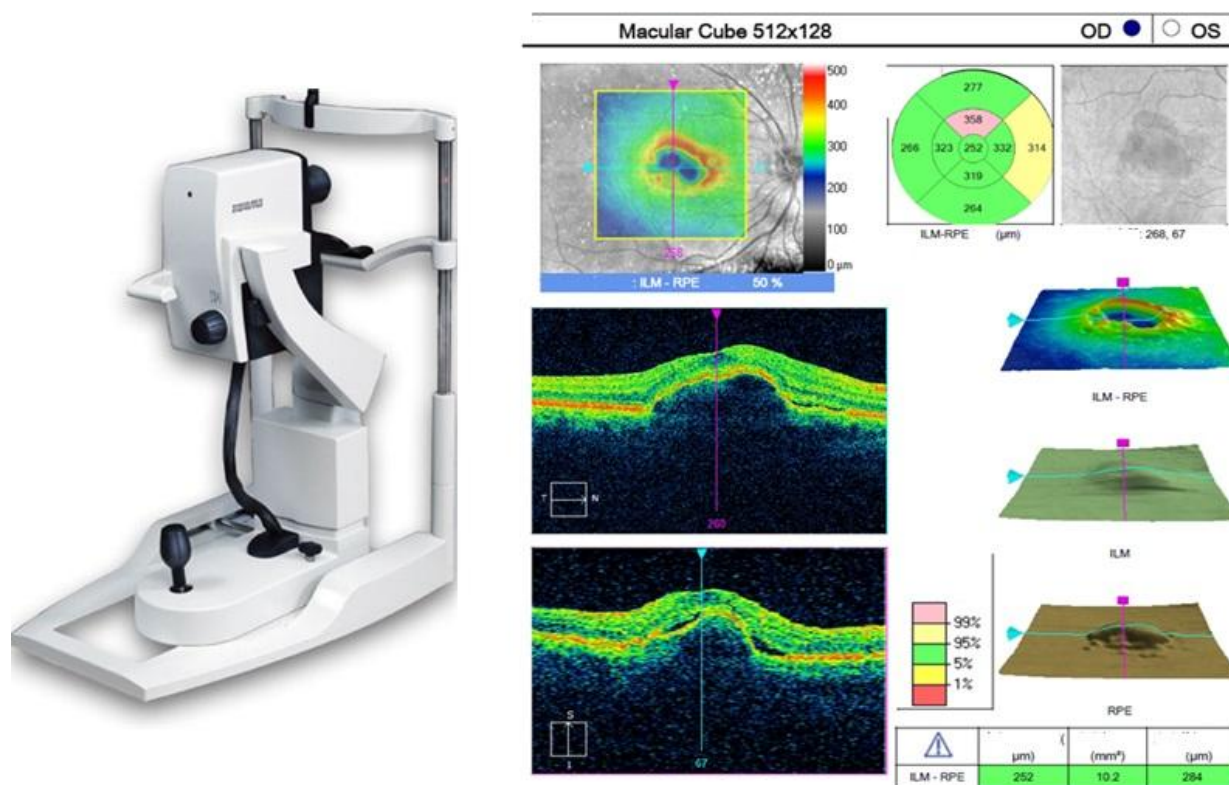




Therapeutic Areas: Ophthalmic Disease Models

HiLand provides robust in vivo models covering major front- and back-of-the-eye conditions. We support evaluation of therapeutic mechanisms, dose responses, and biomarker correlation across various ophthalmic indications. Our team ensures ethical compliance and validated, reproducible endpoints.



Equipped with cutting-edge instrumentation, our non-clinical lab specializes in ophthalmic research, offering comprehensive capabilities for ocular drug evaluation and development.

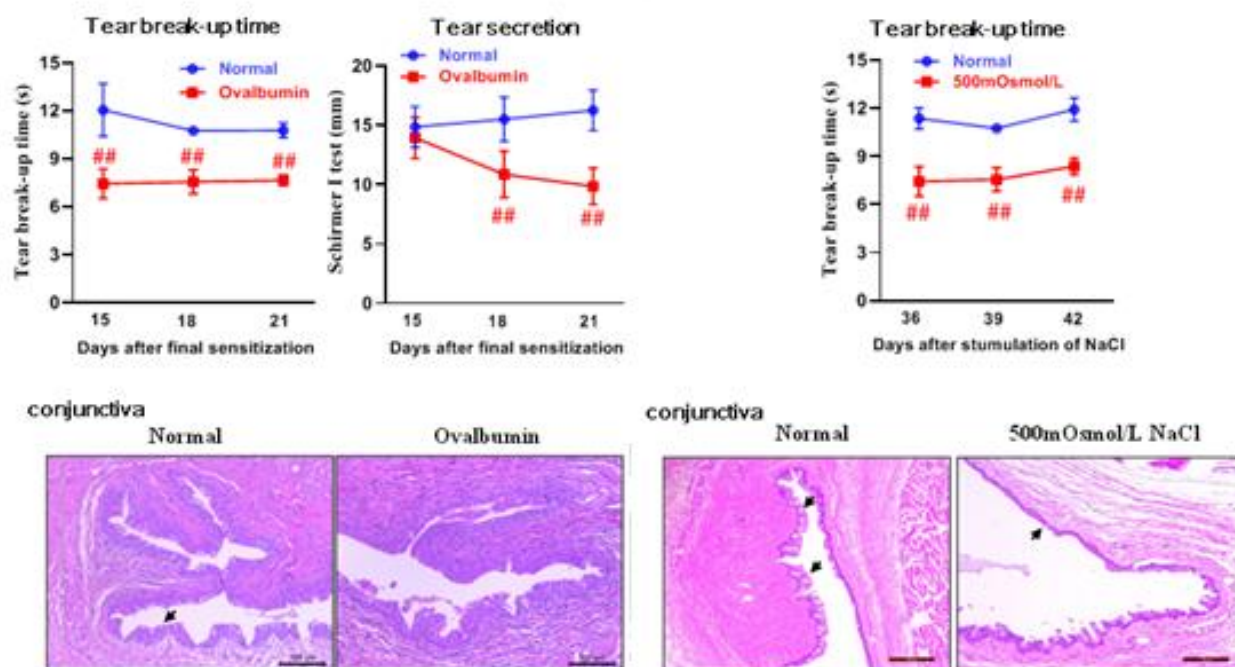
Disease Type	Animal Model / Study
Keratitis	Fungal keratitis model
	Model of alkali burn-induced keratitis
Conjunctivitis	Bacterial conjunctivitis model
	Model of croton oil-induced irritant conjunctivitis
	Model of OVA-induced allergic conjunctivitis
Xerophthalmia	Model of scopolamine-induced dry eye with decreased tear film stability
	Model of hypertonic solution-induced dry eye with higher tear osmolarity
	Model of water-in-oil antigen-induced autoimmune dry eye
	Model of OVA-induced IgE-mediated immune dry eye
	Model of alkali burn-induced dry eye with decreased tear film stability
	Model of meibomian gland closed-induced dry eye with decreased tear film stability
Glaucoma	Model of compound carbomer-induced high intraocular pressure
	Model of polystyrene microsphere-induced high intraocular pressure
Cataracts	Model of sodium selenite-induced cataracts
	Senile cataract model
Myopia	Form-deprivation myopia model
Retinopathy	Model of Y79 tumor cells-induced retinoblastoma
	Wet macular degeneration (laser-induced CNV)
	Wet macular degeneration (VEGF injection-induced vascular leakage)

	dl-2-AAA-induced retinal NV
	Stz-induced type I diabetic retinopathy

Research Projects Accomplished

100 + preclinical studies on ophthalmic drugs including biological products, small molecule drugs, eye drops, and pediatric ophthalmic drugs;

More than 60 clinical approvals for innovative and generic ophthalmic drugs



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