

Preclinical & Clinical

Ophthalmology

Research Services Worldwide





Iris Pharma

A Trustworthy Ophthalmology CRO Since 1989

Iris Pharma A trustworthy ophthalmology CRO since 1989

SPECIALIST CRO FOR OCULAR DRUG & MEDICAL DEVICE DEVELOPMENT

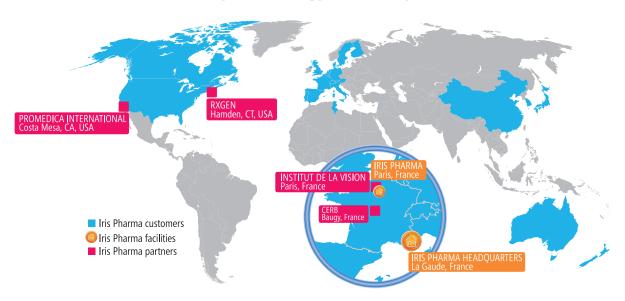
Iris Pharma is an independent Contract Research Organization (CRO), dedicated to preclinical and clinical research in ophthalmology. Since 1989, the experienced staff of Iris Pharma has been offering ophthalmologic drug and device development services to pharmaceutical and biotechnology companies worldwide, from newcomers to specialists in ophthalmology.

	Drug Discovery	Ophthalmic Preclinical Development	Ophthalmic Clinical Development	Registration	Marketing & Promotion
	• in vitro research	Animal proof of conceptin vivo regulatory	• Phase I • Phase II • Phase III		Phase IV Marketing survey
		development			
Preclinical formulation					
Proof of concept		Ō			
Safety					
Pharmacokinetics					
Efficacy		0			
Animal models (research)		0			
Histopathology		0			
Bioanalytical testing					
Project management					
Medical writing					
Monitoring					
Global drug development		0		0	
Strategic consulting	0	•	0	0	

- ••• Stand-alone service or global support
- ···
 Compliance with GLP and ICH-GCP requirements, international guidelines (FDA, OECD, EMA, etc.) and local regulatory laws
- *** Translation of more than 40 ocular drugs and medical devices from the laboratory to marketing approval in Europe, the United States, and all around the world

A WORLD-CLASS COMPANY

Get the best research services in ophthalmology wherever you are



- *** 230+ international clients including start-up, biotechnology and pharmaceutical companies
- ••• Network of experts and strong partnerships with research facilities, scientists, partners and CROs around the world



Iris Pharma

Comprehensive Ocular Expertise

Iris Pharma Comprehensive Ocular Expertise

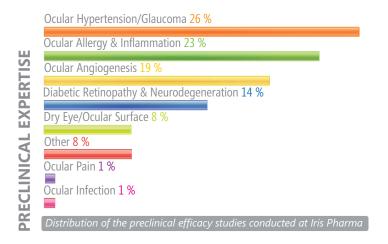
Since its founding in 1989, Iris Pharma has based the company on and expanded its expertise in the science of ophthalmology.

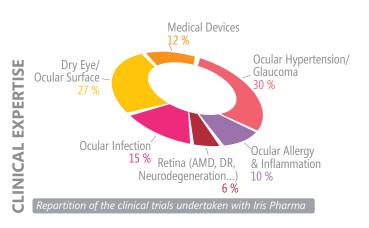


··· Therapeutic specialization: the solution to reduce the time to market

MASTERY OF ALL OCULAR PATHOLOGIES IN PRECLINICAL AND CLINICAL DEVELOPMENT

Iris Pharma partners with clients to carry out preclinical and clinical studies involving all areas of the ophthalmology field, from the ocular surface to the posterior segment of the eye.









Iris Pharma

Cutting-Edge Services For Drug & Device Development In Ophthalmology

Iris Pharma Cutting-edge services for drug & device development in ophthalmology

Iris Pharma provides a one-stop solution for ophthalmology drug and device development, which brings significant advantages in terms of flexibility and efficiency.

PRECLINICAL SERVICES Pilot & proof of concept studies Regulatory studies (GLP) Ocular toxicology studies & safety assessments Ocular pharmacokinetic studies Ocular efficacy studies R&D SUPPORT SERVICES Animal model development. Animal imaging & surgical facilities PRECLINICAL FORMULATION PRECLINICAL FORMULATION Preclinical ocular formulation development & drug delivery optimization. Dosage form development BIOANALYTICAL TESTING SERVICES Analytical services in multiple biological species & rare ocular matrices

Assay method development, validation & transfer

CLINICAL SERVICES

- Regulatory affairs
- Quality assurance
- Clinical study management including escalation scheme (Ph I, II): Ph I, II, III, IV, medical marketing survey
- Study monitoring & site management
- Project management
- Data management & biostatistics
- Medical writing
- Pharmacovigilance
- Investigational Medicinal Product (IMP) management
- Central laboratory services

CONSULTING SERVICES

"Step-by-step" consulting, strategic & global drug development consulting, expert meeting, training

Benefit from the unmatched experience and respected background of an expert in ophthalmology through all stages of the drug development process

CONSULTING SERVICES

Unique and extensive experience in ophthalmology. The guarantee of the best advice and expertise in drug development strategy and decision making.

Iris Pharma supplies the necessary understanding and experience to guide new ophthalmic products through the development process.

- **... ∵ "Step-by-step" consulting**
- ··· Strategic and global drug development consulting
- **... ∵** Study design
- ••• Determination of the appropriate indication
- **... ∴ Expert meeting**
- ··· Training

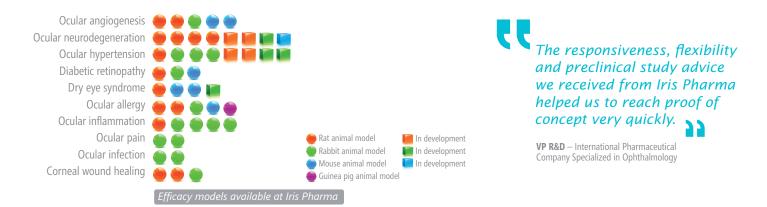
Iris Pharma Cutting-edge services for drug & device development in ophthalmology

PRECLINICAL STUDIES IN OPHTHALMOLOGY

Iris Pharma manages the required ophthalmic development of drugs and devices on animals using state of the art apparatus (Spectralis HRA+OCT, Luminex LX200, confocal microscope, tomograph, ERG, laser flare meter, etc.).

All studies are performed in house in its own laboratories and animal houses.

- Applied research (set up and validation of new and existing models and methods)
 Proof of concept studies
 Pilot studies
- GLP regulatory studies: ocular pharmacokinetics and safety Ocular efficacy models In vivo screening

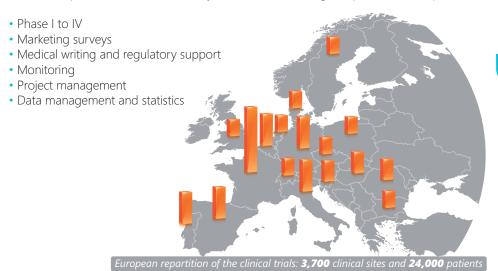


··· 40+ customizable in vivo models mimicking the human's eye conditions for preclinical studies and *in vivo* screening
··· More than 2,200 ocular preclinical studies performed since 1989

OCULAR CLINICAL TRIALS

Facilitation and acceleration of phase I to IV clinical trials and marketing surveys

Iris Pharma provides services necessary to evaluate new drugs on patients in compliance with regulatory authority requirements.



Iris Pharma's extraordinary background in ophthalmology facilitates thoughtful consideration of factors that may impact development and/or implementation of clinical study protocols.

Executive VP — American CRO

- ··· Nearly 100 clinical trials conducted in Europe, North America and North Africa
- **...** Expertise in all clinical study phases
- *** All ophthalmology indications including pediatrics
- **...** All administration modes: topical, systemic, via device

Iris Pharma Cutting-edge services for drug & device development in ophthalmology

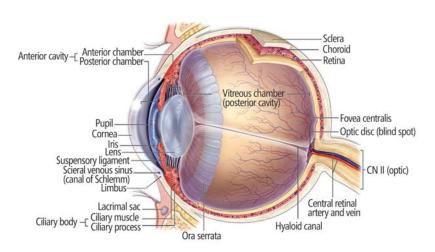
BIOANALYTICAL TESTING SERVICES

Iris Pharma develops, customizes and validates assays for drugs and their metabolites used in preclinical and clinical studies according to GLP standards or not.

EXPERIMENTAL DESIGN:

- Ouick Mini PK
- Non-radioactive PK studies: RRLC-MS/MS, HPLC-MS, HPLC-UV, ELISA (methods development and validation are required)
- Radioactive PK studies: 14C, 3H, 125I (beta-gamma counter, RIA)
- · Autoradiography: macro & micro
- Regulatory safety GLP program according to guidelines (OECD, FDA, French competent Authority) or non-GLP evaluation

Iris Pharma offers routine bioanalytical testing in multiple biological species and rare ocular matrices.



Tears
Palpebral conjunctiva
Bulbar conjunctiva
Aqueous humor
Cornea
Lens
Iris
Iris-ciliary body (I/CB)
Vitreous
Retina
Choroid
Sclera
Optic nerve
Plasma and blood

Main available matrices at Iris Pharmo

NON-GMP PRECLINICAL OCULAR FORMULATION

Iris Pharma offers innovative technology and techniques to move new ophthalmic products from discovery to development.

The aim is to develop appropriate formulation of drugs to be tested in preclinical studies, depending on the chemical properties of compounds and the dosage form desired.

Iris Pharma can also evaluate and improve the solubility of compounds, with or without preservatives.

- Gel Eye-drop Implant Emulsion •
- Solution Ointment Suspension •



Iris Pharma Contact

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