Biomedical

Open models, open futures.

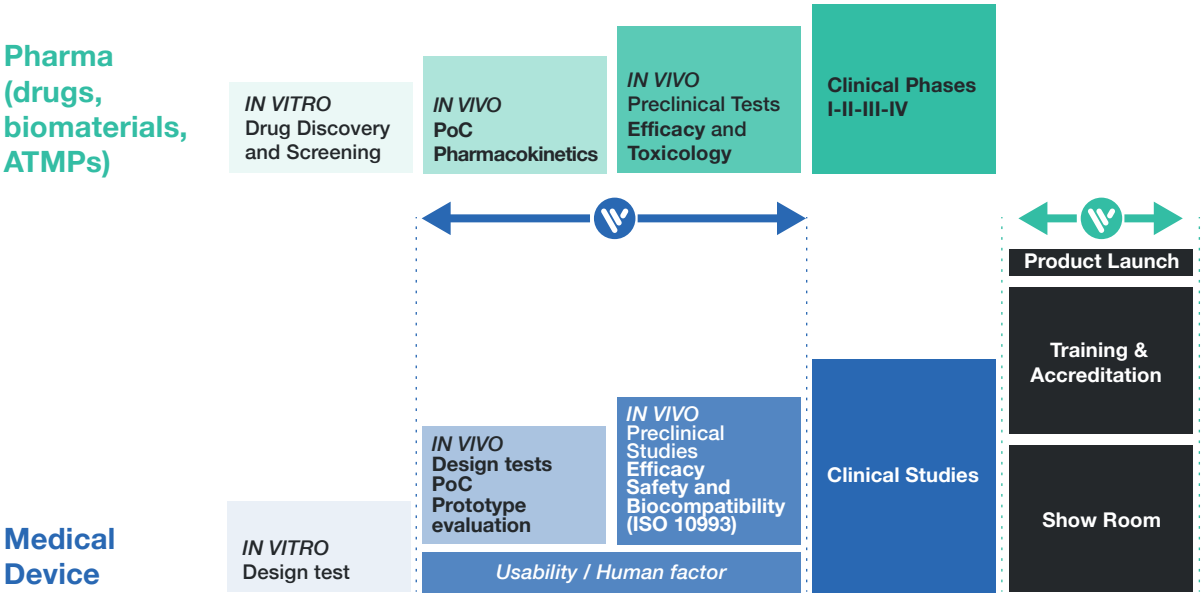
Why Versa Biomedical?

VERSA BIOMEDICAL is a preclinical CRO specialized in porcine and cadaver models, with full end-to-end capabilities: from testing and regulatory studies to showroom and training.

Our wide network of renowned surgeons and experts in medicine science is part of how we work, bringing clinical expertise into preclinical design, so your studies are built from the start to drive successful outcomes.

We are open. Open to the unusual challenge, the complex study design, the project that other CROs might turn down. After 12 years and 200+ customized projects across 14 countries, we have built our reputation on exactly that: the ability to adapt, co-create and deliver, whatever the model, whatever the stage.

How can Versa Biomedical support your pipeline development pathway?



Our sponsors' words

"Great experience at Versa Biomedical!! The study was completed on schedule and we benefitted greatly from the excellent work of Versa's team and expert dental surgeon."

Robert Quintana
Polymer Lead Research Scientist,
Luxembourg Institute of Science and Technology

Regulatory & Quality Compliance

GLP · ISO 9001 · ISO 13485 · FDA · aaalac International · European Animal Research Association

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Why Swine in Ophthalmology Research?

A clinically relevant ophthalmology model

Swine are among the most clinically relevant large-animal models in ophthalmology, closely replicating human ocular anatomy and physiology. They provide high translational value for **corneal and retinal diseases, gene and cell therapies, surgical validation, and advanced drug delivery strategies.**

Anatomical & Physiological Relevance

- Ocular size comparable to humans
- Similar retinal and corneal structure and vascularization
- Cone-rich visual streak (macula-relevant region)

Surgical & Translational Advantages

- Suitable for surgical manipulation and device testing
- Ideal for advanced imaging and longitudinal follow-up

Our track record in ophthalmology research:

- 15+ successful ophthalmology studies
- 3 ophthalmic disease-specific models tailored to the study needs
- Advanced ocular administration routes: subretinal, intravitreal, suprachoroidal, etc.

01 // World-Class Ophthalmic Expert Support

Our ophthalmology platform is strengthened by **internationally recognized veterinary ophthalmology specialists** providing clinical insight, advanced surgical expertise, and scientific guidance across preclinical development programs.

02 // In-House Advanced Ophthalmic Equipment

Our **fully equipped ophthalmic surgical and imaging suite** enables comprehensive evaluation from functional to structural endpoints.

Imaging & Diagnostics

- Multicolour OCT
- Retinography
- ERG (Electroretinography)
- Tonometer (IOP measurement)
- Indirect ophthalmoscope

Surgical & Procedural Platforms

- Surgical microscope
- Stereomicroscope
- Vitrectomy system
- Laser Purepoint



Specipig Miniature Pig Retina



Specipig Miniature Pig Anterior Segment – OCT Image