

# General Toxicology

Sequani is a UK based CRO with its heritage dating back over 40 years. We are positioned at the forefront of pharmaceutical and biotechnology product developments and chemical safety testing. Bursting with experience, excellence and expertise, we take pride in offering superior value for money, greater flexibility and speed of response- turning data into decisions and defining the way forward. Our flexibility, adaptability, strategic programme management and scientific rigour guarantees our customer satisfaction.



**We thrive upon joining our clients upon their mission to achieve high quality data derived by undertaking each project to the highest regulatory standard.**

**SPECIES:** Rat, Mouse, Rabbit, Dog & Minipig

At Sequani we understand that “time is of the essence” in your drive to get through the non-clinical stages of developing or registering your product, Sequani offers advice on non-clinical strategy and innovative study design to support first-in-human programmes, or chemical registrations, sub/chronic repeat dose work or to address more specific toxicological concerns. From inception through to report finalisation, our study directors are highly responsive and are actively involved throughout the duration of the study. Working closely with all on-site departments, they ensure the execution of studies as planned and that reports are of the highest quality. They provide our clients with updates as to the progression of their study, highlighting advances, obstacles and solutions.

Our in-house histopathology department is complementary to our toxicology department, with a team of highly experienced pathologists, including two of the most experienced toxicological pathologists in the UK. Our TK sampling methods are further complemented by our microsampling techniques, requiring smaller blood samples to be taken, the generation of individual TK profiles per animal, but most importantly reducing the number of animals needed on a given study. At Sequani, animal welfare is at the heart of what we do. We welcome the 3Rs and our superior animal welfare standards are reflected in our results. We adopt an “open door” policy and urge our clients to visit us on-site.

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**sequani**  
NON CLINICAL

great people, great work, real results

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## STUDY TYPES

Screening and Comparative Toxicity	
Bioavailability	
Pharmacokinetics / Toxicokinetics	
MTD and Dose Range-finding	
Local Tolerance	
Single Dose Toxicity	
Non-GLP in Vivo Discovery Studies	
Repeat Dose Toxicity	Full range of short-term, sub-chronic and chronic studies
Carcinogenicity	- Rat and Mouse 2 year bioassays - RasH2 transgenic mouse model - Combined chronic and carcinogenicity studies
Investigative studies	Bespoke study designs to investigate specific toxicological issues - Short-term mechanistic investigation - Chronic investigative toxicology - Carcinogenicity mechanistic investigations - Investigative reproduction studies

## ASSOCIATED SPECIALIST SERVICES

Microsampling	Includes safety pharmacology and genotoxicology endpoints
Immunotoxicity	TDAR and immunophenotyping
Biomarkers	Development and analysis
Ophthalmoscopy	Team of veterinary ophthalmologists
Functional Observations	Wide range of assessments
Immunohistochemical staining	Development and application of specialist investigations

## DOSING ROUTES

Oral gavage	Intramuscular
Oral dietary	Intranasal
Oral Capsule	Intra-ocular
Intravenous – bolus or short-term infusion	Dermal
Peri-vascular	Intradermal
Subcutaneous	

From formulation analysis to carcinogenicity studies, whatever your requirement, Sequani can offer bespoke packages at competitive prices to suit your needs. For further information, please contact: [business.development@sequani.com](mailto:business.development@sequani.com)

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