

Developmental & Reproductive 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. We thrive upon joining our clients upon their mission to achieve high quality data derived by undertaking each project to the highest regulatory standard. Our flexibility, adaptability, strategic programme management and scientific rigour guarantees our customer satisfaction.

- > **Over 1400 reproductive toxicology studies conducted over a 35 year history**
- > **Developmental assessments**
- > **Behavioural observations**
- > **Neonatal administration**

Sequani offers world-leading expertise in Developmental and Reproductive Toxicology (DART) studies in compliance to internationally recognised guidelines including ICH and OECD.

With over 35 years of experience conducting both regulatory and investigative reproduction studies, Sequani enjoys a unique reputation amongst other CROs with regard to the volume and percentage of reproduction studies we run, reflecting the vast experience that we have in this area. This depth of experience, supported by extensive background data, enables sound interpretation of results enabling confident regulatory submission.

Our highly skilled team of Study Directors is supported by a team of Principal Reproduction Toxicologists, one with more than 35 years' specialist experience alone. All of our toxicology study directors are cross trained in general and reproduction toxicology, a policy that places us in a unique position for the expert conduct of combined toxicity/reproduction studies and juvenile toxicology studies. Unrivalled technical expertise is provided by a dedicated foetal morphology group offering experience in all aspects of foetal evaluation for rats, rabbits and mice including both single and double skeletal staining techniques and as well as Bouin's examinations on the brain. Our expert team is supported by specialised animal and necropsy technicians.

We have a comprehensive historical background database, which we regularly review and update, to support all types of reproduction toxicology studies; including an electronic, fully-searchable database of foetal morphology control data. Our experience includes pharmaceuticals, agrochemicals, industrial chemicals and food additives and our service now includes the Extended One-Generation Reproductive Toxicity (EOGRT) Study to satisfy OECD test guideline 443.

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sequani
NON CLINICAL

great people, great work, real results

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STUDY TYPES

Fertility and early embryonic development in both Male & Female ("Segment I")	
Embryo-foetal toxicity ("Segment II")	
Pre- and post-natal development ("Segment III")	
Investigative studies	
Prenatal developmental toxicity	(OECD 414)
One generation toxicity	(OECD 415)
Two generation toxicity	(OECD 416)
Reproduction / Developmental Toxicity Screening	(OECD 421)
Combined Toxicity and Screening Study	(OECD 422)
Extended One Generation Reproductive Toxicology Study	(OECD 443)

DOSING ROUTES

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

SPECIES

Rat
Mouse
Rabbit

Sequani can offer bespoke packages at competitive prices to suit your needs.
For further information, please contact: business.development@sequani.com

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