

TetraQ offers a range of techniques for investigating the effectiveness of potential drugs with a focus on *in vivo* models. We are leaders in *in vivo* pain models and are continually expanding our range to include other models. We also plan to offer a wider range of models sourced from our partners. We take pride in having highly interactive relationships with our clients and work seamlessly with other areas of TetraQ to provide a complete solution.

Pain Testing Models

TetraQ offers a range of *in vivo* rodent models of pain:

- Pain sensitivity and perception
 - ✓Mechanical sensitivity to stimuli
 - ✓Thermal sensitivity to stimuli
- Acute stimulus-evoked pain models:
- Persistent pain using formalin injection
- Acute and chronic inflammatory pain models:
 - ✓Capsaicin
 - ✓Postsurgical pain (Brennan model)
 - ✓FCA: Freund's Complete Adjuvant
- Neuropathic pain models:
- Anti-retroviral induced neuropathy
- Cytotoxic induced neuropathy
 - ✓Chronic Constrictive Injury (CCI): Tying of four loose ligatures around the sciatic nerve. This peripheral nerve injury results in the development of mechanical (tactile) allodynia in the ipsilateral hindpaw
 - ✓Painful diabetic neuropathy (PDN): Streptozotocin (STZ)-induced diabetes which is characterized by tactile allodynia after ~ 6-8 wks of STZ administration.

A variety of methods are used to quantify pain, including von Frey filaments, tail flick and paw pressure and paw thermal (Hargreave's) tests. TetraQ also offers an *in vitro* opioid agonist and antagonist screening assay.

Consulting

In addition to providing a range of contract services for clients, we are available to consult to your business and advise on early stage drug development activities. This may include participation in meetings of scientific advisory boards, providing an expert opinion, or reviewing documentation.

**Specialising in
in-vivo models
of disease**



Pain Models (12 models)

Obesity Model

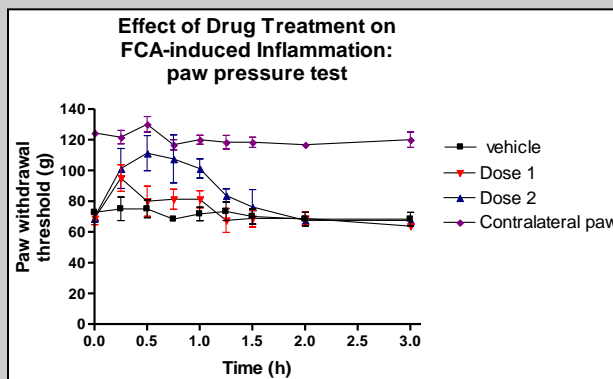
Multiple Sclerosis Model

Diabetes Model

Alzheimer's Disease Model

Arthritis models

TetraQ also has , inflammatory bowel disease (IBD) and access to models of other diseases through alliance partners.



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