GVK BIO
Accelerating Research

# WELL CHARACTERIZED OR CUSTOM-MADE RODENT MODELS FOR THE ASSESSMENT OF YOUR DRUG CANDIDATES IN **PAIN & INFLAMMATION**

GVK BIO has validated rodent model platforms for the effective screening of drug candidates in the pain and inflammation therapeutic areas. We also have extensive experience in developing customized rodent models as per your individual drug discovery needs. Additionally, we have established multiple innovative *ex vivo* and *in vitro* assays for diverse target classes.

GVK BIO has a strong and diverse team of scientists who can provide invaluable guidance to your drug discovery program from hit identification to clinical candidate selection and IND filing. Our flawless performance and results along with the reputation of our strong scientific team have made us the preferred drug discovery partner among large, mid-sized and virtual pharmaceutical companies as well as with academic institutions located globally.

## Pain Models:

- **Visceral Pain Models:**
  - Acetate or Phenyl Quinone induced writhing
- **Neuropathic Pain Models:**
  - Chronic Constriction Injury induced neuropathic pain in rats (Bennet and Xie model)
  - L5/L6 ligation induced neuropathic pain (Chung model)
  - Chemotherapy (Paclitaxel) Induced Pain
- **Incisional/Post-operative Pain Models:**
  - Brennan's post-incisional pain model in rats

## Inflammation Models:

- **General Inflammation :**
  - LPS induced cytokine production
  - Stimulant (Antibody etc.) induced cytokine production
  - CFA induced hyperalgesia (Mechanical and Thermal)
- **Colon Inflammation**
  - DSS induced ulcerative colitis model
- **Dermal Inflammation**
  - IMQ induced psoriasis
- **Neuroinflammation**
  - MOG 35-55 induced Experimental Allergic Encephalitis in C57BL/6 mice (Multiple Sclerosis)

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