

WELCOME TO INVITEK, INC.

INVITEK INC. is a Pre-Clinical Development Company, located in the San Francisco Bay Area, Hayward, CA. Offering a wide range of Pre-Clinical contract research services **In-Vivo** and **In-Vitro** to pharmaceutical and biotechnology industries.

The scientific team of **INVITEK** consists of highly-qualified and motivated individuals with more than twenty years of combined hands-on experience in innovative drug discovery, and development.

Specialized in design and execution of new drugs and formulations for screening and testing efficacy in well-established animal models of **Diabetes, Obesity, Inflammation, Cancer, and Multiple Sclerosis, Liver Disease, Parkinson's Disease, Pain and Analgesia; Pharmacokinetic; ADME; and Toxicological** studies.

INVITEK is dedicated to provide Faster, Reliable and Competitive services to our clients.

We customize services and always focus on client needs and success.

Please visit our website www.invitekinc.com for more information.



Pre-Clinical Contract Research Services

Efficacy Studies

PK/ADME

Toxicology



Faster, Reliable and Competitive

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Efficacy Studies

Efficacy Studies for proof-of-concept as well as early screening and profiling of drug candidates. INVITEK offering well established and validated Pre-Clinical *in-vivo* models for screening and evaluation of new drugs and formulations for Early drug discovery and development.

Diabetes & Obesity:

- Db/db Mouse
- Ob/ob Mouse
- DIO Mouse & Rat
- NOD Mouse
- ZDF (fa/fa) Rat
- GK Rat
- STZ mouse/rat

Inflammation:

Models of RA

- CIA Mice /Rats
- AIA Rats
- CPE Rats/Mice
- CAP Mice
- LPS Mice & Rats

Models of IBD

- DSS Mice
- TNBS Rats
- Acetic Acid Rats
- Oxazolone Rats
- CD40 mAb Mice

Cancer:

Xenograft Tumor Models

- Breast Cancer: MCF-7, MDA-MB-231, ZR-75-1
- Prostrate Cancer: PC-3 and DU-145
- Colon Cancer: HT-29
- Liver Cancer: HepG-2
- Melanoma Skin Cancer: A375

Multiple Sclerosis:

- EAE– using MBP, MOG and PLP
- Cuprizone model for demyelination

Liver Disease:

- CCl4 induced hepatic fibrosis
- TAA induced hepatic fibrosis
- NAFLD (Non-alcoholic fatty liver disease)
- ALD (Alcoholic liver disease)

Parkinson's Disease:

- MPTP induced model

Pain and Analgesia:

Carrageenan, Formalin, CFA, STZ, Taxol induced pain

PK/ADME

Pharmacokinetic (PK) data is a key component in the evaluation of new drug compounds. A quantitative measure of drug exposure essential for the sound interpretation of pre-clinical efficacy studies. PK data is also requisite before designing and performing toxicology studies.

Routes of Administration:

- Oral (PO)
- Subcutaneous (SC)
- Intravenous (IV)
- Intraperitoneal (IP)
- Intramuscular (IM)
- Topical

Single and Multiple Dose PK:

- Single Dose
- Multiple Dose

PK in Normal Vs. Disease Model:

Invitek offers Pharmacokinetic study in both normal and disease models for better understanding of absorption and bioavailability.

Bioavailability:

Invitek offers measurement of both absolute and relative bioavailability of drug compared with alternative formulations of the same drug, usually an established standard or through administration via a different route.

In-Vitro Services:

- Metabolic stability in Plasma, Serum, Blood, Hepatocytes and Microsomes
- Species comparison of metabolism in Hepatocytes
- Drug permeability using Caco-2 cells
- Cytochrome P-450 inhibition in Microsomes and Liver homogenates
- Cytotoxicity
- MTT Assays
- Micronucleus test
- Screening in different Cell lines
- Dose range finding
- IC50

Toxicology

Invitek offers non-GLP toxicology studies. Non-GLP toxicology studies are intended to provide preliminary assessment of a drug's safety

Non-GLP toxicology studies has following advantage:

- It can be performed on research grade materials
- It gives flexibility to design study protocol for regulatory submission
- It reduces costs and time required for GMP grade material.

GLP toxicology studies are required as part of the IND package before starting a human clinical trials.

Toxicity Studies:

- Acute Oral Tox-LD50
- Maximum Tolerated Dose (MTD)
- Single Dose Acute Toxicity
- Repeat Dose Toxicity
- Sub-Chronic Toxicity
- Chronic Toxicity
- Toxicokinetic

Route of Administration:

- Oral (PO)
- Subcutaneous (SC)
- Intravenous (IV)
- Intraperitoneal (IP)
- Intramuscular (IM)
- Topical

Genotoxicity:

- Chromosomal Aberration Study
- Mouse Micronucleus Study

Additional Services:

- Euglycemic Clamp
- Immunoassay
- ELISA

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