Drug Administration & Pharmacokinetic Studies

Eurofins SCEC

We are a veterinary Contract Research Organisation founded in 2002 and based in Sydney, Australia. We have worked extensively with national and international racing authorities to design and implement drug administration and pharmacokinetic (PK) studies in the racing greyhound and the racehorse. Data derived from these studies are used to determine PK profiles for therapeutic and performance enhancing drugs, and to validate analytical methods for racing laboratories.

Drug administration and pharmacokinetic studies are conducted at the Eurofins SCEC research facility in Sydney. Greyhounds and horses owned by Eurofins SCEC are used specifically for research, under our Animal Supplier’s Licence. The site has purpose-built equine and greyhound housing and testing facilities.

Our professional team includes equine and small animal veterinarians, research scientists and veterinary nurses, supported by a highly proficient administrative team.

All studies are conducted according to international scientific quality standards (Good Clinical Practice or Good Laboratory Practice) to ensure valid, reproducible and globally accepted results.

All work undertaken is treated with confidentiality and is completed in a timely and cost efficient manner.

Study design features

- 24 hour blood and/or urine sample collection ensures a comprehensive dataset - sampling intervals designed specifically for each test item & to ensure accurate profiling over the in vivo phase of the drug
- Sample types: Blood, urine, hair, faeces

Equine Studies

- Purpose-built facilities (mare crush; covered yards)
- Up to 40 horses - various breeds, ages, mares and geldings
- Urethral/bladder catheterisation – accurate timing and large sample volume
- Intravenous catheter placement for precise and timely collection of multiple blood samples
Greyhound Studies

- Purpose-built facilities:
  - Individual runs
  - Lock-up areas
  - Large exercise yards
- Entire males/females and neutered males/females
- Greyhounds are acclimatised to and tolerant of all sample collection procedures
- Greyhounds are trained to voluntarily urinate to maximise the collection of urinary excretion and drug detection data

General Facilities and Services

- On-site laboratory for sample processing and preparation
- Sample storage facilities:
  - Freezers
  - Refrigerators
  - Temperature controlled drug fridges
- All samples and test products are temperature monitored from collection to dispatch

Laboratory Facilities and Testing

- We have a network of internal alliances within the Eurofins group, allowing us to provide a complete and comprehensive range of services
- Eurofins Agroscience Testing laboratory:
  - Analysis of veterinary medicines and residues
  - Method development and validation services

Contact us if you would like to discuss how Eurofins SCEC can assist you!

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