



Admescope
A SYMERES COMPANY

Tailor-made ADME-Tox

Admescope is a contract research organisation (CRO) providing the pharmaceutical industry with tailor-made ADME-Tox services to support the discovery and development of small molecules and biologics. Admescope serves customers globally, either as a standalone service or seamlessly integrated into the Symeres Medicinal Chemistry services.

Our services span over the whole ADME-Tox area, ranging from early screening assays to highly tailored and detailed studies. High quality data is ensured by optimising the conditions according to the compounds characteristics rather than using generic protocols. All data can be supplied with interpretation and context for the customer to help in understanding the real meaning of the numerical values and observations.

Our team of experts consists of chemists, biochemists, pharmacologists and technicians, all with long experience and strong expertise in ADME-studies. Combination of our expertise and state-of-the-art instrumentation enables us to deliver high scientific and technical quality, always on time.

As part of **Symeres**, we aim to have real, positive impact on people's lives. We make molecules matter. Together.

We offer:

- Integrated drug discovery services within the broader Symeres organization
- Tailored and optimised studies enabling high scientific & technical data quality
- World class expertise in drug metabolism, drug interactions, pharmacokinetics and quantitative bioanalysis
- Deep knowledge in analytical technologies (LC/MS and NMR)
- Continuous service development and adaptation of customers' processes
- Flexibility, high quality, fast turnaround and short response times



A powerful synergy
Symeres





IN VITRO METABOLISM

- Metabolic stability
- Metabolite identification and profiling
- Identification of metabolising enzymes
- Non-CYP-mediated metabolism
- Extrahepatic metabolism
- Metabolite production and NMR identification
- Reactive metabolite screening
- Acyl-glucuronide reactivity
- Stability in plasma, buffer or biorelevant media
- IVIVE



IN VIVO DMPK

- Animal pharmacokinetics
- Metabolic identification *in vivo*
- Metabolite profiling and characterisation in pre-clinical species



DRUG INTERACTIONS

- CYP inhibition
- UGT inhibition
- Inhibition towards other metabolising enzymes
- CYP induction
- UGT induction
- Transporter interactions
- Custom *in vitro* interaction studies



QUANTITATIVE BIOANALYSIS

- UHPLC/MS/MS, UHPLC/HR-MS, or UHPLC/radiodetection
- Plasma, urine, feces, brain homogenates & other tissue homogenates
- Method development and validation



PERMEABILITY AND TRANSPORTERS

- Caco2 permeability
- Uptake and efflux transporters
- Cell monolayer and vesicle based assays



PHYSICHEMISTRY AND BINDING

- Lipophilicity (logD/P)
- Solubility
- Plasma protein binding
- Red blood cell binding
- Tissue binding
- Microsome/hepatocyte binding



IN VITRO TOXICOLOGY

- Cytotoxicity screening
- Genotoxicity screening
- Cardiotoxicity screening
- Mechanistic toxicity assays



BIOLOGICS

- Protein MW and structural characterisation (LC/MS)
- Peptide mapping and detection of post-translational modifications (LC/MS)
- Quantification with LC/MS and ELISA
- Protein pharmacokinetics