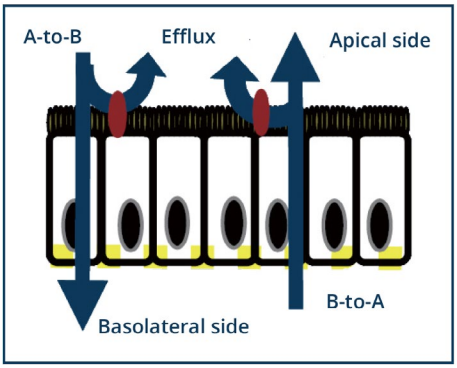
ChemPartner
Dedicated to LifeScience

DMPK *IN VITRO* ADMET

Our Services

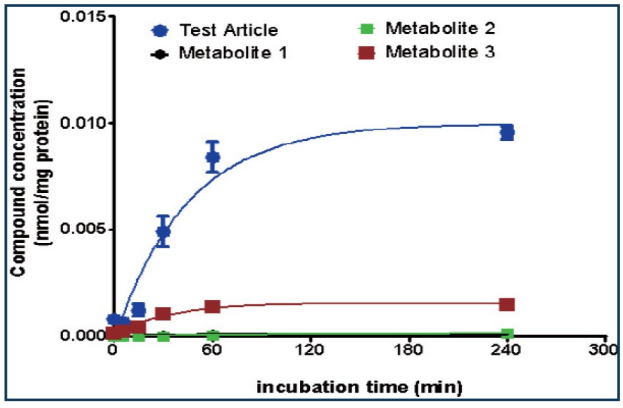
- Absorption
  - Caco-2
  - MDCK-MDR1
- Distribution
  - Protein binding
  - Kbb
  - RBC
- Clearance
  - Clint in different matrix
  - Phenotyping
- Drug-Drug Interaction
  - IC50
  - IC50 shift
  - Ki
  - Induction
- Metabolite ID
  - GSH trapping
  - Metabolite ID
- *In Vitro* Genotoxicity
  - Mini-Ames
- Physical-Chemical Property
  - Solubility
  - LogD
- Customized Assays

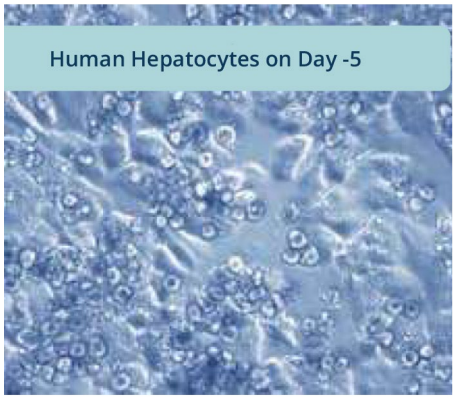


IN VITRO PERMEATION MODEL

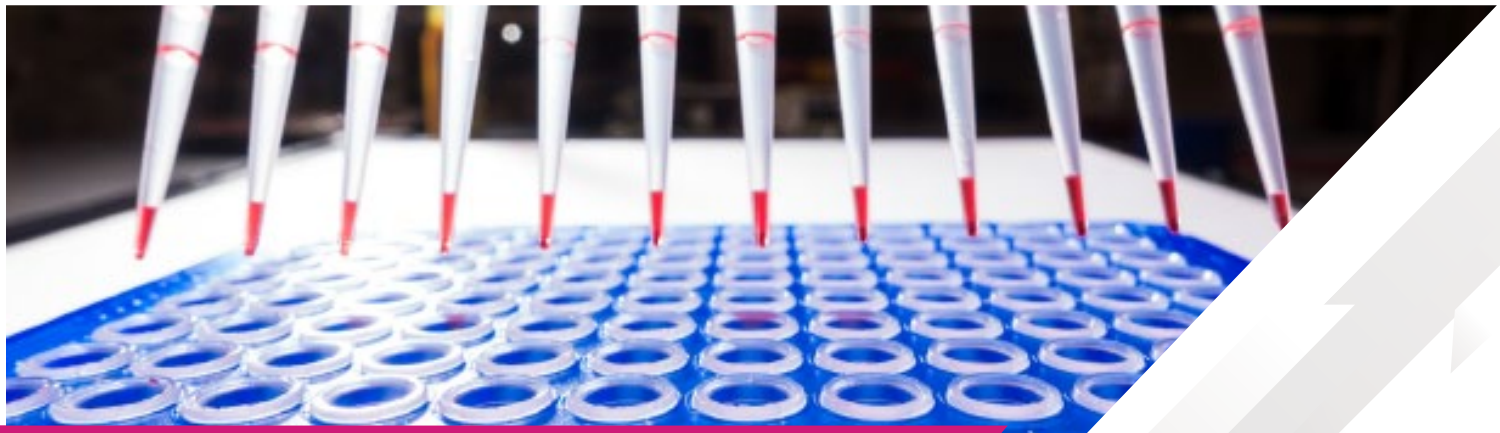
Customized Assay

INTRACELLULAR DRUG UPTAKE AND METABOLISM
(HepG2 cells, dosed at 50 nM)





IN VITRO CYP INDUCTION MODEL



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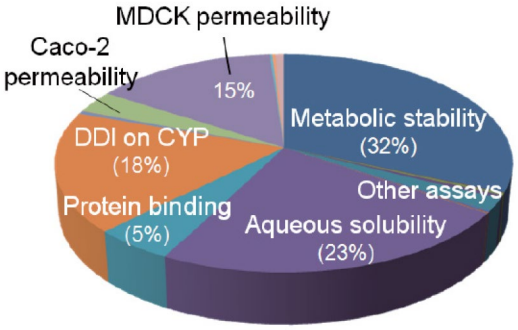
In Vitro Admet Studies Engaged in Discovery Programs and IND Enabling

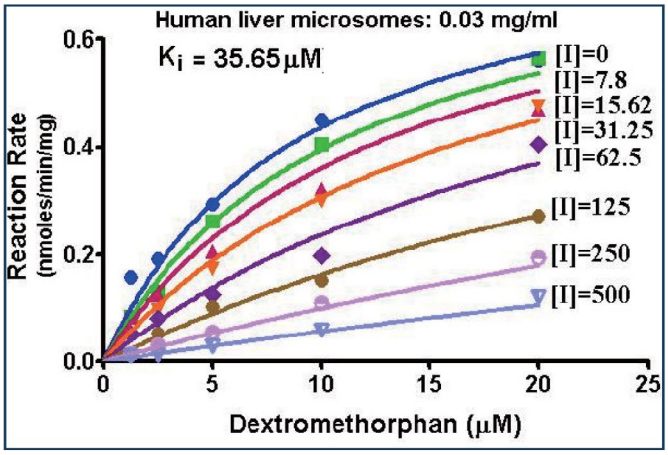
PROJECTS/STUDIES	ONCOLOGY 1	ONCOLOGY 2	CNS 1	CNS 2	CNS 3	CNS 4	IND-ENABLING (CASE)
Solubility	258	75	55	46	27	11	
Liver Microsomal Stability	120	13	159	120	22	10	3
CYP Inhibition	120	195	94	15	14	7	3
Plasma Stability			59				
Hepatocyte or S9 Stability				20			
Protein Binding	40	13	108		19	13	3
Caco-2	7	16					5
MDCK-MDR1			96	70	38	13	
CYP TDI			11				
CYP Induction							3
Mini-Ames		7					

75,000+ compounds screened for clients world-wide since 2008

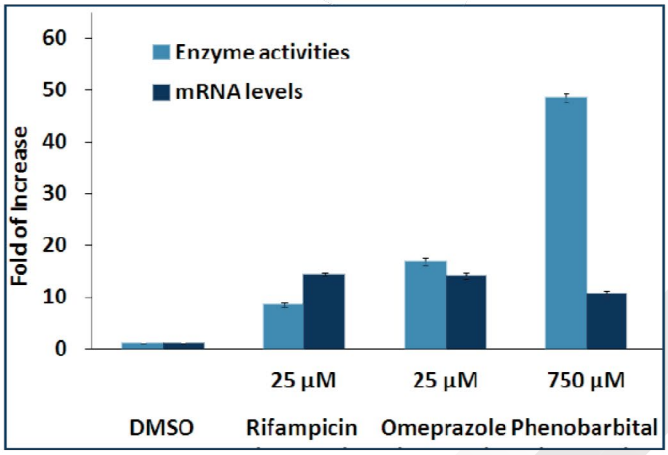


Assessment of Enzyme-Based Drug-Drug Interaction

Ki DETERMINATION FOR QUINIDINE ON CYP2D
(Using GraphPad Prism 5)



CYP INDUCTION DETERMINED USNIG HUMAN HEPATOCYTES
(3 Donors)



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