ChemPartner
Dedicated to LifeScience

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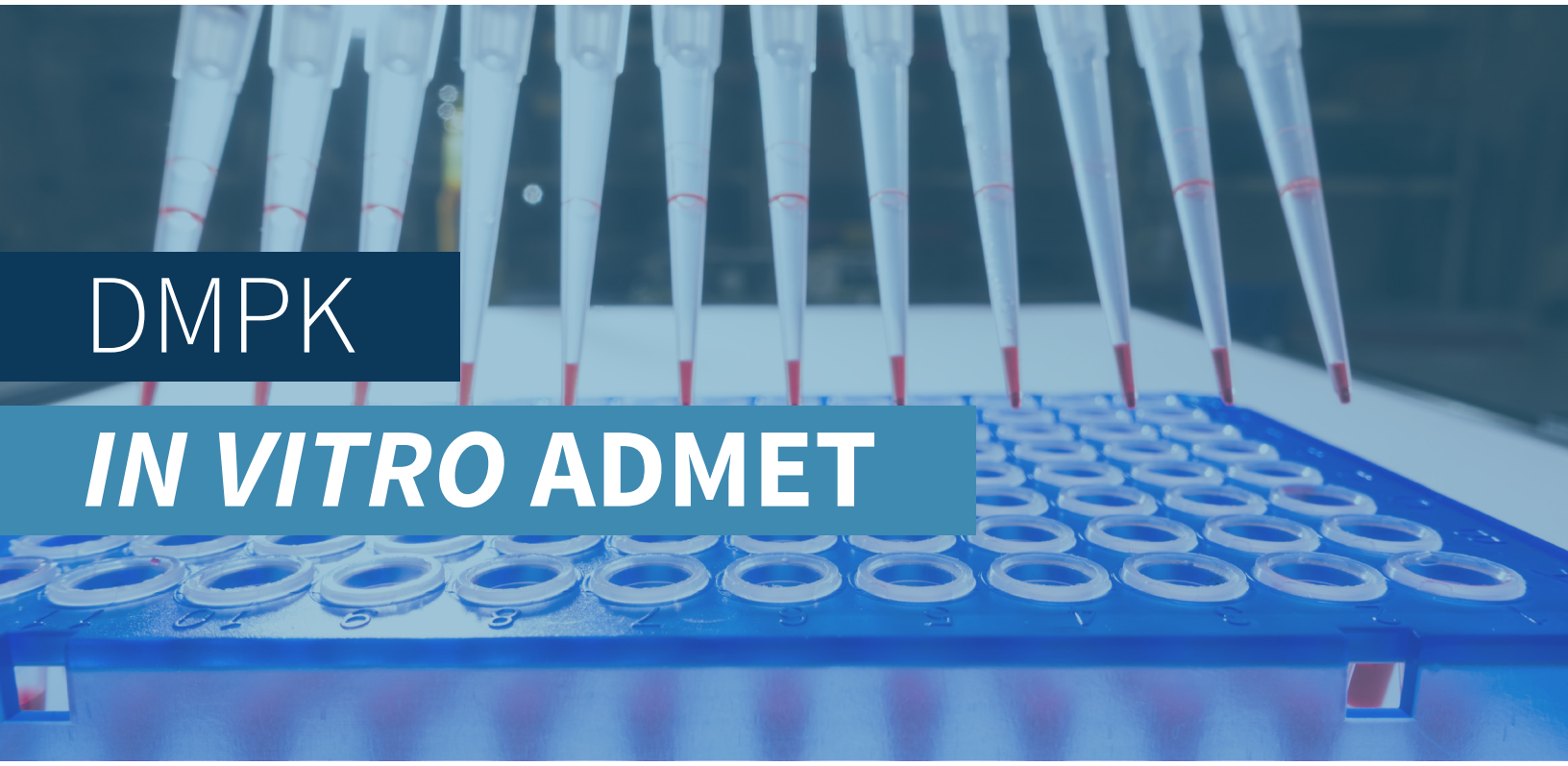
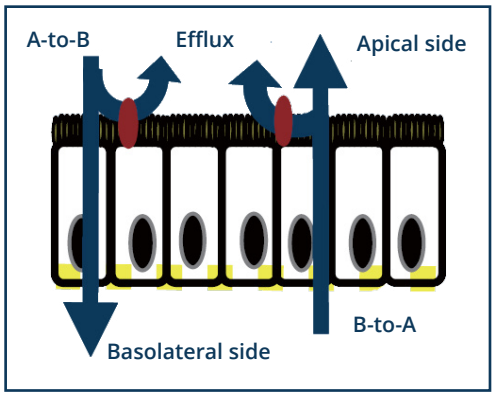


DMPK
IN VITRO ADMET

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**

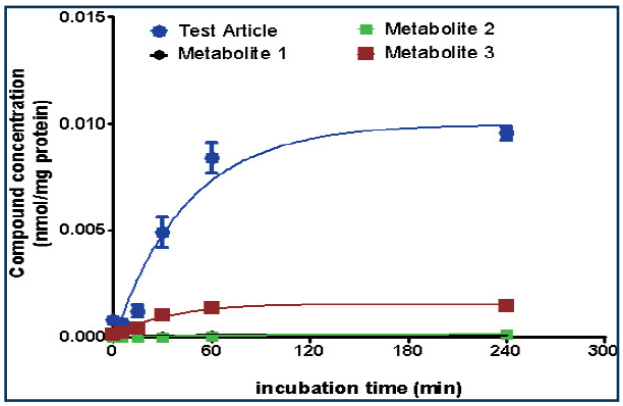


IN VITRO PERMEATION MODEL

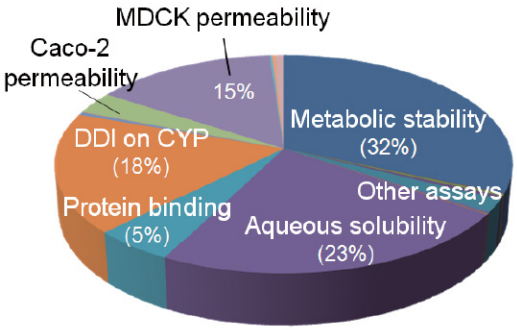
IN VITRO CYP INDUCTION MODEL

CUSTOMIZED ASSAY

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



IN VITRO ADMET SERVICES



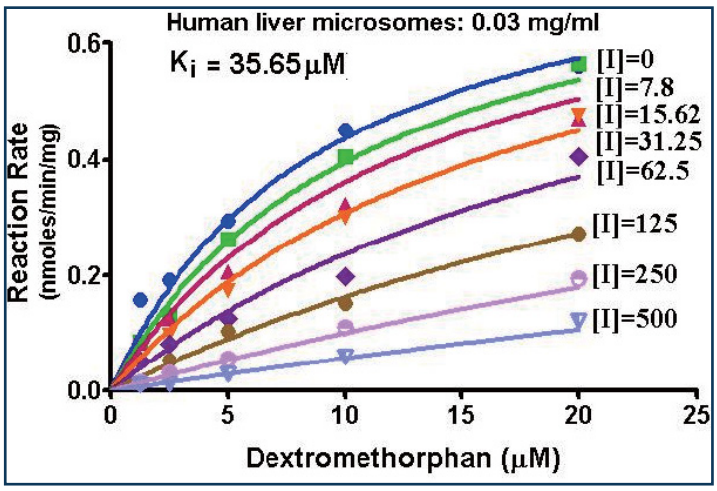
75,000+ compounds screened for clients world-wide since 2008

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 TD1			11				
CYP Induction							3
Mini-Ames		7					

ASSESSMENT OF ENZYME-BASED DRUG-DRUG INTERACTION

Ki DETERMINATION FOR QUINIDINE ON CYP2D6
(Using GraphPad Prism 5)



CYP INDUCTION DETERMINED USNIG HUMAN HEPATOCYTES
(3 Donors)