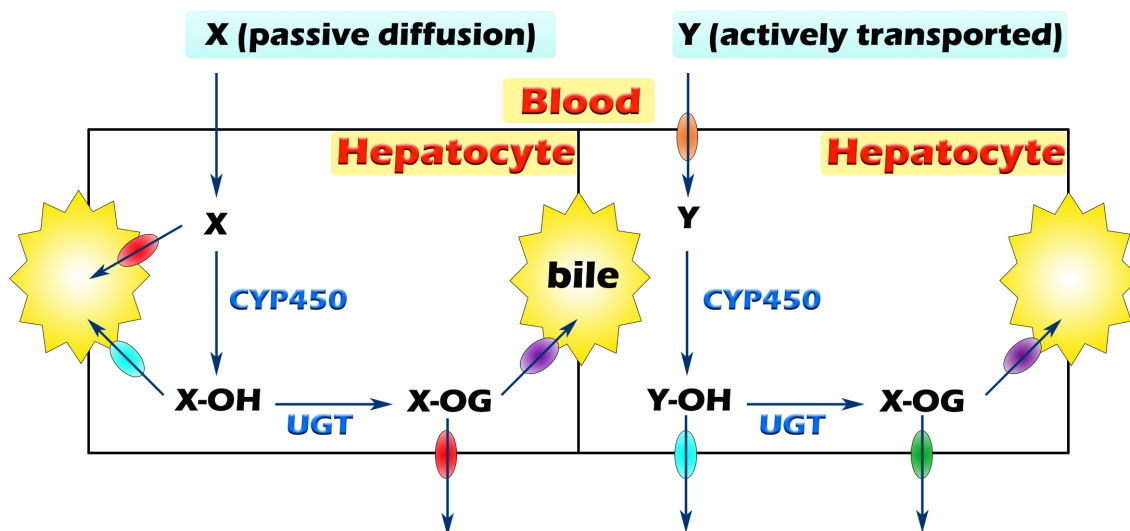


Drug Metabolism Research Products

The disposition of a drug or xenobiotic (any foreign chemical) within a living organism encompasses all reactions/physiological mechanisms resulting in Absorption, Distribution, Metabolism and Excretion (ADME) of the molecule. ADME influences the concentration and kinetics of exposure to the tissues and hence determines the effects of a given compound. Biovision has recently launched a new product line dedicated to study various aspects of drug metabolism and excretion. Our assay kits, small molecule chemicals, proteins and antibodies can be used in drug discovery, toxicity studies, drug metabolism and pharmacokinetics, drug-drug interaction studies, inhibitor or ligand screening, Structure activity relation (SAR) experiments and more.

Protein targets in Drug absorption, metabolism & elimination



Influx transporters: OATP, OAT, OCT, NTCP

Efflux transporters: P-Glycoprotein, MRP2, BCRP, MDR2

CYP: Cytochrome P450

UGT: UDP-glucuronosyltransferase

Assay Kits

Product Name	Cat. No.	Size
Aromatase (CYP19A) Activity Assay Kit (Fluorometric)	K983	100 assays
Aromatase (CYP19A) Inhibitor Screening Kit (Fluorometric)	K984	100 assays
Cytochrome P450 1A2 (CYP1A2) Activity Assay Kit (Fluorometric)	K893	100 assays
Cytochrome P450 1A2 (CYP1A2) Inhibitor Screening Kit (Fluorometric)	K894	100 assays
Cytochrome P450 2C19 (CYP2C19) Activity Assay Kit (Fluorometric)	K848	100 assays
Cytochrome P450 2C19 (CYP2C19) Inhibitor Screening Kit (Fluorometric)	K849	100 assays
Cytochrome P450 2C9 (CYP2C9) Activity Assay Kit (Fluorometric)	K895	100 assays
Cytochrome P450 2C9 (CYP2C9) Inhibitor Screening Kit (Fluorometric)	K896	100 assays
Cytochrome P450 2D6 (CYP2D6) Activity Assay Kit (Fluorometric)	K703	200 assays
Cytochrome P450 2D6 (CYP2D6) Inhibitor Screening Kit (Fluorometric)	K704	200 assays
Cytochrome P450 3A4 (CYP3A4) Activity Assay Kit (Fluorometric)	K701	200 assays
Cytochrome P450 3A4 (CYP3A4) Inhibitor Screening Kit (Fluorometric)	K702	200 assays

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Toll Free: 800-891-9699 (US Only)



Assay Kits

Product Name	Cat. No.	Size
Cytochrome P450 Reductase (CPR) Activity Kit (Colorimetric)	K700	100 assays
Microsome Isolation Kit	K249	50 assays
Multidrug Efflux Transporter (MDR1/P-gp) Ligand Screening Kit	K507	100 assays
UGT Activity Assay / Ligand Screening Kit (Fluorometric)	K692	100 assays

ELISA Kits

Product Name	Cat. No.	Size
ABCG2 (Human) ELISA Kit	K4188	100 assays
BioSim™ Adalimumab (Humira®) (Human) ELISA Kit	E4372	100 assays
Aflatoxin B1 (AFB1) ELISA Kit	K4208	100 assays
BioSim™ anti-Adalimumab (Humira®) (Human) ELISA Kit	E4388	100 assays
BioSim™ anti-Avelumab (Bavencio®) (Human) ELISA Kit	E4557	100 assays
BioSim™ anti-Bevacizumab (Avastin®) (Human) ELISA Kit	E4389	100 assays
BioSim™ anti-Cetuximab (Erbix®) (Human) ELISA Kit	E4391	100 assays
BioSim™ anti-Denosumab (Prolia®) (Human) ELISA Kit	E4394	100 assays
BioSim™ anti-Etanercept (Enbrel®) (Human) ELISA Kit	E4392	100 assays
BioSim™ anti-Golimumab (Simponi®) (Human) ELISA Kit	E4393	100 assays
BioSim™ anti-Infliximab (Remicade®) (Human) ELISA Kit	E4387	100 assays
BioSim™ anti-Infliximab (Remsima®) (Human) ELISA Kit	E4390	100 assays
BioSim™ anti-Ipilimumab (Yervoy®) (Human) ELISA Kit	E4398	100 assays
BioSim™ anti-Nivolumab (Opdivo®) (Human) ELISA Kit	E4396	100 assays
BioSim™ anti-Omalizumab (Xolair®) (Human) ELISA Kit	E4395	100 assays
BioSim™ anti-Pembrolizumab (Keytruda®) (Human) ELISA Kit	E4397	100 assays
BioSim™ anti-Rituximab (Mabthera®) (Human) ELISA Kit	E4385	100 assays
BioSim™ anti-Trastuzumab (Herceptin®) (Human) ELISA Kit	E4386	100 assays
BioSim™ Avelumab (Bavencio®)(Human) ELISA Kit	E4556	100 assays
BioSim™ Bevacizumab (Avastin®) (Human) ELISA Kit	E4373	100 assays
BioSim™ Cetuximab (Erbix®)(Human) ELISA Kit	E4379	100 assays
Cotinine ELISA Kit	K4152	100 assays
BioSim™ Denosumab (Prolia®)(Human) ELISA Kit	E4380	100 assays
BioSim™ Etanercept (Enbrel®) (Human) ELISA Kit	E4374	100 assays
Fluoroquinolones ELISA Kit	K4205	100 assays
Gentamicin (serum/urine) ELISA Kit	K4315	100 assays
Gentamicin ELISA Kit	K4206	100 assays
BioSim™ Golimumab (Simponi®)(Human) ELISA Kit	E4377	100 assays
BioSim™ Infliximab (Remicade®) (Human) ELISA Kit	E4375	100 assays
BioSim™ Infliximab (Remsima®)(Human) ELISA Kit	E4378	100 assays
BioSim™ Ipilimumab (Yervoy®)(Human) ELISA Kit	E4384	100 assays
Kanamycin ELISA Kit	K4210	100 assays
BioSim™ Nivolumab (Opdivo®)(Human) ELISA Kit	E4382	100 assays
BioSim™ Omalizumab (Xolair®)(Human) ELISA Kit	E4381	100 assays
BioSim™ Pembrolizumab (Keytruda®)(Human) ELISA Kit	E4383	100 assays
Quinolone ELISA Kit	E4530	100 assays
Ranibizumab (Lucentis®) (Human) ELISA Kit	E4312	100 assays
BioSim™ Rituximab (Mabthera®) (Human) ELISA Kit	E4371	100 assays
Salbutamol (SALB) ELISA Kit	K4209	100 assays

ELISA Kits

Product Name	Cat. No.	Size
Sulfonamides residue ELISA Kit	K4207	100 assays
BioSim™ Trastuzumab (Herceptin®)(Human) ELISA Kit	E4376	100 assays

Proteins

Product Name	Cat. No.	Size
Active D-2-Hydroxyglutarate Dehydrogenase (D2HGDH), Recombinant	P1001	50 µg, 250 µg
EZCyp™ Active Human Cytochrome P450 1A2	7876	10 mg, 50 mg
EZCyp™ Active Human Cytochrome P450 2C19	7874	10 mg, 50 mg
EZCyp™ Active Human Cytochrome P450 2C9	7875	10 mg, 50 mg
EZCyp™ Active Human Cytochrome P450 2D6	7873	10 mg, 50 mg
EZCyp™ Active Human Cytochrome P450 3A4	7872	10 mg, 50 mg
Cytochrome B5A, human recombinant	7871	5 µg, 20 µg, 1 mg
Cytochrome P450 2D6, human recombinant	7870	5 µg, 20 µg, 1 mg

Biochemicals

CYP Inducers

Product Name	Cat. No.	Size	CAS No.
Dexamethasone	1042	1 g, 10 g, 1 ml	50-02-2
Hyperforin. DCHA	2153	500 µg, 1 mg	238074-03-8
Lopinavir	2241	50 mg, 250 mg	192725-17-0

CYP Inhibitors/Inactivators

Product Name	Cat. No.	Size	CAS No.
Abiraterone	B1607	5 mg, 25 mg	154229-19-3
Avasimibe	9506	5 mg, 25 mg	166518-60-1
Azamulin	2915	1 mg, 5 mg	76530-44-4
Bromocryptine (mesylate)	2916	50 mg, 250 mg	22260-51-1
Cobicistat	9474	5 mg, 25 mg	1004316-88-4
Diosmetin	B1922	50 mg, 250 mg	520-34-3
Erythromycin	9619	5 g, 25 g	114-07-8
Itraconazole	1987	50 mg, 100 mg, 500 mg, 1 g	84625-61-6
Licochalcone A	B1909	5 mg, 25 mg	58749-22-7
α-naphthoflavone	2918	5 g, 25 g	604-59-1
PF-04981517	2917	5 mg, 25 mg	1390637-82-7
Quercetin, Dihydrate	1773	250 mg, 1 g	6151-25-3
Quinidine Sulfate dihydrate	2910	1 g, 5 g	6591-63-5
Resveratrol	1758	100 mg, 500 mg	501-36-0
Rosiglitazone	1559	5 mg, 50 mg, 100 mg	122320-73-4
(S)-(+)-N-3-Benzylnirvanol	2920	5 mg, 10 mg	790676-40-3
Thiabendazole	2161	1 g	148-79-8
Ticlopidine hydrochloride	2919	5 g, 25 g	53885-35-1

CYP Substrates

Product Name	Cat. No.	Size	CAS No.
AMMC iodide	2873	5 mg, 25 mg	N/A
Atorvastatin	2278	10 mg, 50 mg	134523-00-5
Caffeine	2914	5 g	58-08-2

CYP Substrates

Product Name	Cat. No.	Size	CAS No.
Dextromethorphan	2912	50 mg, 100 mg	6700-34-1
Erlotinib, Free Base	2048	100 mg, 1 g	183321-74-6
Erlotinib, Hydrochloride Salt	1588	100 mg, 1 g	183319-69-9
EZSolution™ Gefitinib	2030	5 mg	184475-35-2
Gefitinib	1589	5 mg, 25 mg	184475-35-2
Irinotecan Hydrochloride	1752	50 mg, 250 mg	100286-90-6
Lovastatin	1692	50 mg, 250 mg	75330-75-5
Paclitaxel	1567	25 mg	33069-62-4
Progesterone	2913	1 g, 5 g	57-83-0
Rosuvastatin	1955	5 mg, 25 mg	287714-41-4
Simvastatin	1693	50 mg, 250 mg	79902-63-9

Inhibitors of CYP Induction

Product Name	Cat. No.	Size	CAS No.
Actinomycin D	1036	5 mg, 50 mg, 50 µl	50-76-0
Cycloheximide	1041	1 g, 5 g, 1 ml	66-81-9

Multidrug Resistance (MDR) Inhibitors

Product Name	Cat. No.	Size	CAS No.
Elacridar	2792	5 mg, 25 mg	143664-11-3
MK-571	2691	5 mg, 25 mg	115104-28-4
MK-571 sodium	2692	5 mg, 25 mg	115103-85-0
NSC-23925	2686	5 mg, 25 mg	858474-14-3

P-gp Inhibitors

Product Name	Cat. No.	Size	CAS No.
Cyclosporine A	1522	100 mg, 1 g	59865-13-3
Elacridar	2792	5 mg, 25 mg	143664-11-3
NSC-23925	2686	5 mg, 25 mg	858474-14-3
Tariquidar	2853	10 mg, 50 mg	206873-63-4

P-gp Substrates

Product Name	Cat. No.	Size	CAS No.
Digoxin	2911	100 mg, 500 mg	20830-75-5
Loperamide hydrochloride	2683	500 mg, 1 g	34552-83-5
Quinidine Sulfate dihydrate	2910	1 g, 5 g	6591-63-5
Vinblastine Sulfate	1959	5 mg, 25 mg	143-67-9

Antibodies & Blocking Peptides

Cytochrome P450 Antibodies

Product Name	Cat. No.	Size
Cytochrome P450 Antibody	3084R	30 µg, 100 µg
Cytochrome P450 Blocking Peptide	3084RBP	50 µg

Drug Metabolism-related Antibodies

Product Name	Cat. No.	Size
ABCG1 Antibody (Center)	6705	100 µl
ABCG1 Antibody (NT)	6704	100 µl
Anti-D2HGDH Antibody	A1328	30 µg, 100 µg
c-Jun antibody	3009	30 µg, 100 µg
c-Jun Antibody	3702	100 µg
HNF-4 Antibody	3688	30 µg, 100 µg
HNF-4 B Blocking Peptide	3688BP	50 µg
HNF4A Antibody	3119	100 µg
HNF4A Antibody	3121	100 µg
Phospho-c-Jun (Ser73) Antibody	3502	100 µg
PIM1 Antibody	3787R	30 µg, 100 µg
PIM1 Blocking Peptide	3787RBP	50 µg

Drug Transporter Antibodies

Product Name	Cat. No.	Size
BCRP (ABCG2) Antibody	6971	100 µg
P-glycoprotein Antibody	6970	100 µg

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