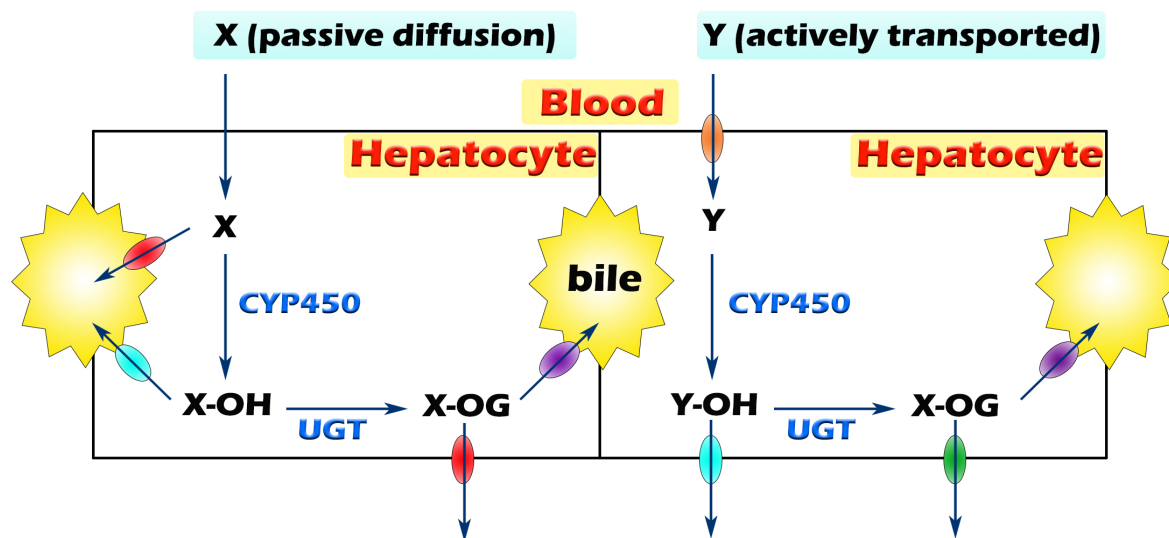


Drug Metabolism Research Products

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 and elimination



Influx transporters: OATP, OAT, OCT, NTCP

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

CYP: Cytochrome P450

UGT: UDP-glucuronosyltransferase

Assay Kits

Catalog #	Product Name	Size
K700-100	Cytochrome P450 Reductase (CPR) Activity Kit (Colorimetric)	100 assays
K701-200	Cytochrome P450 3A4 (CYP3A4) Activity Assay Kit (Fluorometric)	200 assays
K702-200	Cytochrome P450 3A4 (CYP3A4) Inhibitor Screening Kit (Fluorometric)	200 assays
K703-200	Cytochrome P450 2D6 (CYP2D6) Activity Assay Kit (Fluorometric)	200 assays
K704-200	Cytochrome P450 2D6 (CYP2D6) Inhibitor Screening Kit (Fluorometric)	200 assays
K848-100	Cytochrome P450 2C19 (CYP2C19) Activity Assay Kit (Fluorometric)	100 assays
K849-100	Cytochrome P450 2C19 (CYP2C19) Inhibitor Screening Kit (Fluorometric)	100 assays
K893-100	Cytochrome P450 1A2 (CYP1A2) Activity Assay Kit (Fluorometric)	100 assays
K894-100	Cytochrome P450 1A2 (CYP1A2) Inhibitor Screening Kit (Fluorometric)	100 assays
K895-100	Cytochrome P450 2C9 (CYP2C9) Activity Assay Kit (Fluorometric)	100 assays
K896-100	Cytochrome P450 2C9 (CYP2C9) Inhibitor Screening Kit (Fluorometric)	100 assays
K249-50	Microsome Isolation Kit	50 assays

ELISA Kits

Catalog #	Product Name	Size
K3599-100	Aromatase (human) ELISA kit	100 assays
K3560-100	Aromatase (rat) ELISA kit	100 assays
K7871-100	Cytochrome P450 Reductase (CPR) Human ELISA Kit	100 assays
K7872-100	Cytochrome P450 Reductase (CPR) Rat ELISA Kit	100 assays
K7875-100	Cytochrome P450 2C9 (CYP2C9) Human ELISA Kit	100 assays
K7876-100	Cytochrome P450 1A2 (CYP1A2) Human ELISA Kit	100 assays
K7870-100	Cytochrome P450 2D6 (CYP2D6) Rat ELISA Kit	100 assays
K7570-100	Cytochrome P450 3A4 (CYP3A4) Human ELISA Kit	100 assays
K7571-100	Cytochrome P450 3A4 (CYP3A4) Mouse ELISA Kit	100 assays

Proteins/Enzymes

Catalog #	Product Name	Size
7871-5, -20, -1000	Cytochrome B5A, human recombinant	5 µg, 20 µg, 1 mg
7870-5, -20, -1000	Cytochrome P450 2D6, human recombinant	5 µg, 20 µg, 1 mg
7872-10, -50	EZCyp™ Active Human Cytochrome P450 3A4	10 mg, 50 mg
7873-10, -50	EZCyp™ Active Human Cytochrome P450 2D6	10 mg, 50 mg
7874-10, -50	EZCyp™ Active Human Cytochrome P450 2C19	10 mg, 50 mg
7875-10, -50	EZCyp™ Active Human Cytochrome P450 2C9	10 mg, 50 mg
7876-10, -50	EZCyp™ Active Human Cytochrome P450 1A2	10 mg, 50 mg

Antibodies & Blocking Peptides

Cat #	Product Name	Size	Cat #	Product Name	Size
6705-100	ABCG1 Antibody (Center)	100 µl	3119-100	HNF4A Antibody	100 µg
6704-100	ABCG1 Antibody (NT)	100 µl	3121-100	HNF4A Antibody	100 µg
6971-100	BCRP (ABCG2) Antibody	100 µg	6970-100	P-glycoprotein Antibody	100 µg
3702-100	c-Jun Antibody	100 µg	3502-100	Phospho-c-Jun (Ser73) Antibody	100 µg
3009-100	c-Jun antibody	100 µg	3787R-100	PIM1 Antibody	100 µg
3084R-100	Cytochrome P450 Antibody	100 µg	3787RBP-50	PIM1 Blocking Peptide	50 µg
3084RBP-50	Cytochrome P450 Blocking Peptide	50 µg	3787R-100	PIM1 Antibody	100 µg
3688-100	HNF-4 Antibody	100 µg	3787RBP-50	PIM1 Blocking Peptide	50 µg
3688BP-50	HNF-4 B Blocking Peptide	50 µg			

Biochemicals

Cytochrome P450 inducers

Cat #	Product Name	Size
1042-1G, 10G	Dexamethasone	1 g, 10 g
1042-1	Dexamethasone (10 mM)	1 ml
2153-500, -1000	Hyperforin. DCHA	500 µg, 1 mg
2241-50, -250	Lopinavir	50 mg, 250 mg

Inhibitors of Cytochrome Synthesis

Cat #	Product Name	Size
1036-5 MG, 50MG	Actinomycin D	5 mg, 50 mg
1036-50	Actinomycin D (10 mM)	50 µl
1041-1G, 5G	Cycloheximide	1 g, 5 g
1041-1	Cycloheximide (100 mM)	1 ml

Cytochrome P450 inhibitors/inactivators

Cat #	Product Name	Size
9506-5, -25	Avasimibe	5 mg, 25 mg
2915-1, -5	Azamulin	1 mg, 5 mg
2920-5, -10	(S)-(+)-N-3-Benzylirivanol	5 mg, 10 mg
2916-50, -250	Bromocryptine (mesylate)	50 mg, 250 mg
2006-100, -500	Caffeic Acid	100 mg, 500 mg
9474-5, -25	Cobicistat	5 mg, 25 mg
1987-50, -100, -500, -1000	Itraconazole	50 mg, 100 mg, 500 mg, 1 g
2918-5, -25	α -naphthoflavone	5 g, 25 g
2917-5, -25	PF-04981517	5 mg, 25 mg
1773-250, -1000	Quercetin, Dihydrate	250 mg, 1 g
2910-1G, 5G	Quinidine Sulfate dihydrate	1 g, 5 g
1758-100, -500	Resveratrol	100 mg, 500 mg
1559-5, -50, -100	Rosiglitazone	5 mg, 50 mg, 100 mg
2919-5, -25	Ticlopidine hydrochloride	5 g, 25 g
2161-1G	Thiabendazole	1 g

Cytochrome P450 Substrates

Cat #	Product Name	Size
2873-5, -25	AMMC iodide	5 mg, 25 mg
2278-10, -50	Atorvastatin	10 mg, 50 mg
2914-5G	Caffeine	5 g
2912-50	Dextromethorphan	50 mg, 100 mg
2048-100	Erlotinib, Free Base	100 mg, 1 g
1588-100, -1000	Erlotinib, Hydrochloride Salt	100 mg, 1 g
2030-5	EZSolution™ Gefitinib	5 mg
1589-5, -25	Gefitinib	5 mg, 25 mg
1752-50, -250	Irinotecan Hydrochloride	50 mg, 250 mg
1692-50, -250	Lovastatin	50 mg, 250 mg
1567-25	Paclitaxel	25 mg
2913-1G, 5G	Progesterone	1 g, 5 g
1955-5, -25	Rosuvastatin	5 mg, 25 mg
1693-50, -250	Simvastatin	50 mg, 250 mg

Multidrug Resistance (MDR) Inhibitors

Cat #	Product Name	Size
2792-5, -25	Elacridar	5 mg, 25 mg
2691-5, -25	MK-571	5 mg, 25 mg
2692-5, -25	MK-571 sodium	5 mg, 25 mg
2686-5, -25	NSC-23925	5 mg, 25 mg

P-glycoprotein inhibitors

Cat #	Product Name	Size
1522-100, 1G	Cyclosporine A	100 mg, 1 g
2792-5, -25	Elacridar	5 mg, 25 mg
2686-5, -25	NSC-23925	5 mg, 25 mg
2853-10, -50	Tariquidar	10 mg, 50 mg

P-gp Substrates

Cat #	Product Name	Size
2911-100, -500	Digoxin	100 mg, 500 mg
2683-500, -1000	Loperamide hydrochloride	500 mg, 1 g
2910-1G, 5G	Quinidine Sulfate dihydrate	1 g, 5 g
1959-5, -25	Vinblastine Sulfate	5 mg, 25 mg