

Transporter	Gene name	Species	Substrates	Inhibitors	Test substrate	AMP /ATP ratio
P-glycoprotein / MDR1	ABCB1	human	convallatoxin, digoxin, N-methyl-quinidine (NMQ), colchicine, tacrolimus, quinidine, etoposide, doxorubicin ao	verapamil, cyclosporin, tariquidar, PSC833, ao	convallatoxin	>5
BSEP, bile salt export pump	ABCB11	human	taurocholate, pravastatin, tauroolithocholyl 3-sulfate, conjugated monovalent bile salts, ao	cyclosporine A, rifampicin, glibenclamide ao	TCA	>20
BSEP, bile salt export pump	ABCB11	rat			TCA	>10
BSEP, bile salt export pump	ABCB11	dog			TCA	>10
BSEP, bile salt export pump	ABCB11	cat			TCA	>10
MRP1, multidrug resistance associated protein 1	ABCC1	human	E217bG, GSSG, saquinavir, ritonavir, methotrexate, daunorubicin, leukotrienes, prostaglandines, folic acid, ao		17b-Estradiol-D-17b-Glucuronide	>5
MRP2, multidrug resistance associated protein 2	ABCC2	human	CDCF, E217bG, methotrexate, etoposide, bilirubin conjugates, ao		5(6)-carboxy-2,'7'-dichlorofluorescein	>20
MRP2, multidrug resistance associated protein 2	ABCC2	rat			CDCF	>20
MRP3, multidrug resistance associated protein 3	ABCC3	human	E217bG, estradiol-17b-glucuronide, bile salts, methotrexate, vincristine, acetaminophen-glucuronide, ao		17b-Estradiol-D-17b-Glucuronide	>15
MRP3, multidrug resistance associated protein 3	ABCC3	rat			17b-Estradiol-D-17b-Glucuronide	>5
MRP4, multidrug resistance associated protein 4	ABCC4	human	DHEAS, E217bG, taurocholic acid, urate, ritonavir, methotrexate, cAMP, ao		Dehydroepiandrosterone sulfate	>5
MRP4, multidrug resistance associated protein 4	ABCC4	rat			p-aminohippuric acid	>2

MRP5, multidrug resistance associated protein 5	ABCC5	human	CDCF, methotraxate, cAMP, cGMP, folate, rouvastatin, ao		5(6)-carboxy-2,'7'-dichlorofluorescein	>3
MRP8, multidrug resistance associated protein 8	ABCC11	human	DHEAS, 5-fluoro-2'-deoxyuridine 5'-monophosphate (FdUMP), earwax, ao		Dehydroepiandrosterone sulfate	>3
BCRP	ABCG2	human	estrone-3-sulfate (E3S), methotrexate, irinotecan, pantoprazole, rosuvastatin, topotecan, chlorothiazide, ao		Estrone-sulfate	>10