

Product Summary

1) CYPxxxR Bactosomes (human)

Human CYP co-expressed with human NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1A1	CYP014	CYP1A1R Bactosomes
	CYP018	CYP1A1LR Bactosomes
CYP1A2	CYP001	CYP1A2R Bactosomes
	CYP012	CYP1A2LR Bactosomes
CYP1B1.1	CYP023	CYP1B1LR Bactosomes
CYP1B1.3	CYP021	CYP1B1*3LR Bactosomes
CYP1B1.4	CYP024	CYP1B1*4LR Bactosomes
CYP2A6	CYP064	CYP2A6BR Bactosomes
	CYP011	CYP2A6R Bactosomes
CYP2A13	CYP032	CYP2A13LR Bactosomes
	CYP033	CYP2A13R Bactosomes
CYP2B6	CYP041	CYP2B6BR Bactosomes
	CYP061	CYP2B6BLR Bactosomes
	CYP020	CYP2B6R Bactosomes
	CYP016	CYP2B6LR Bactosomes
CYP2C8	CYP049	CYP2C8BR Bactosomes
	CYP052	CYP2C8BLR Bactosomes
	CYP017	CYP2C8R Bactosomes
	CYP047	CYP2C8LR Bactosomes
CYP2C9.1	CYP037	CYP2C9BHR Bactosomes
	CYP038	CYP2C9BR Bactosomes
	CYP019	CYP2C9HR Bactosomes
	CYP006	CYP2C9R Bactosomes
CYP2C9.2	CYP042	CYP2C9*2BR Bactosomes
	CYP031	CYP2C9*2R Bactosomes
CYP2C9.3	CYP044	CYP2C9*3BR Bactosomes
	CYP031	CYP2C9*3R Bactosomes
CYP2C18	CYP022	CYP2C18LR Bactosomes
CYP2C19	CYP063	CYP2C19BR Bactosomes
	CYP062	CYP2C19BLR Bactosomes
	CYP008	CYP2C19R Bactosomes
	CYP028	CYP2C19LR Bactosomes
CYP2D6.1	CYP007	CYP2D6R Bactosomes
	CYP013	CYP2D6LR Bactosomes
CYP2D6.2	CYP027	CYP2D6*2R Bactosomes
CYP2D6.10	CYP029	CYP2D6*10R Bactosomes
CYP2D6.39	CYP030	CYP2D6*39R Bactosomes
CYP2E1	CYP036	CYP2E1BR Bactosomes
	CYP009	CYP2E1R Bactosomes
CYP2J2	CYP034	CYP2J2LR Bactosomes
CYP3A4	CYP005	CYP3A4BR Bactosomes
	CYP035	CYP3A4BLR Bactosomes
	CYP002	CYP3A4R Bactosomes
	CYP010	CYP3A4LR Bactosomes

CYP3A5	CYP048	CYP3A5BR Bactosomes
	CYP045	CYP3A5BLR Bactosomes
	CYP046	CYP3A5R Bactosomes
	CYP015	CYP3A5LR Bactosomes
CYP3A7	CYP060	CYP3A7BR Bactosomes
	CYP054	CYP3A7BLR Bactosomes
	CYP059	CYP3A7R Bactosomes
	CYP053	CYP3A7LR Bactosomes
CYP4A11	CYP043	CYP4A11BR Bactosomes
	CYP026	CYP4A11R Bactosomes
	CYP025	CYP4A11LR Bactosomes
CYP4F2	CYP040	CYP4F2BLR Bactosomes
CYP4F3B	CYP058	CYP4F3BBR Bactosomes
	CYP057	CYP4F3BBLR Bactosomes
	CYP056	CYP4F3BR Bactosomes
	CYP055	CYP4F3BLR Bactosomes
CYP17A1	CYP066	CYP17A1R Bactosomes
	CYP065	CYP17A1LR Bactosomes
CYP46A1	CYP068	CYP46A1R Bactosomes
	CYP067	CYP46A1LR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

2) CYPxxxR EasyCYP Bactosomes (human)

Human CYP co-expressed with human NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1A1	CYP/EZ014	CYP1A1R EasyCYP Bactosomes
	CYP/EZ018	CYP1A1LR EasyCYP Bactosomes
CYP1A2	CYP/EZ001	CYP1A2R EasyCYP Bactosomes
	CYP/EZ012	CYP1A2LR EasyCYP Bactosomes
CYP1B1.1	CYP/EZ023	CYP1B1LR EasyCYP Bactosomes
CYP1B1.3	CYP/EZ021	CYP1B1*3LR EasyCYP Bactosomes
CYP1B1.4	CYP/EZ024	CYP1B1*4LR EasyCYP Bactosomes
CYP2A6	CYP/EZ064	CYP2A6BR EasyCYP Bactosomes
	CYP/EZ011	CYP2A6R EasyCYP Bactosomes
CYP2A13	CYP/EZ033	CYP2A13R EasyCYP Bactosomes
	CYP/EZ032	CYP2A13LR EasyCYP Bactosomes
CYP2B6	CYP/EZ041	CYP2B6BR EasyCYP Bactosomes
	CYP/EZ020	CYP2B6R EasyCYP Bactosomes
	CYP/EZ016	CYP2B6LR EasyCYP Bactosomes
CYP2C8	CYP/EZ049	CYP2C8BR EasyCYP Bactosomes
	CYP/EZ052	CYP2C8BLR EasyCYP Bactosomes
	CYP/EZ017	CYP2C8R EasyCYP Bactosomes
	CYP/EZ047	CYP2C8LR EasyCYP Bactosomes
CYP2C9.1	CYP/EZ037	CYP2C9BHR EasyCYP Bactosomes
	CYP/EZ038	CYP2C9BR EasyCYP Bactosomes
	CYP/EZ019	CYP2C9HR EasyCYP Bactosomes
	CYP/EZ006	CYP2C9R EasyCYP Bactosomes

CYP2C9.2	CYP/EZ042	CYP2C9*2BR EasyCYP Bactosomes
	CYP/EZ031	CYP2C9*2R EasyCYP Bactosomes
CYP2C9.3	CYP/EZ044	CYP2C9*3BR EasyCYP Bactosomes
	CYP/EZ039	CYP2C9*3R EasyCYP Bactosomes
CYP2C18	CYP/EZ022	CYP2C18LR EasyCYP Bactosomes
CYP2C19	CYP/EZ063	CYP2C19BR EasyCYP Bactosomes
	CYP/EZ062	CYP2C19BLR EasyCYP Bactosomes
	CYP/EZ008	CYP2C19R EasyCYP Bactosomes
	CYP/EZ028	CYP2C19LR EasyCYP Bactosomes
CYP2D6.1	CYP/EZ007	CYP2D6R EasyCYP Bactosomes
	CYP/EZ013	CYP2D6LR EasyCYP Bactosomes
CYP2D6.2	CYP/EZ027	CYP2D6*2R EasyCYP Bactosomes
CYP2D6.10	CYP/EZ029	CYP2D6*10R EasyCYP Bactosomes
CYP2D6.39	CYP/EZ030	CYP2D6*39R EasyCYP Bactosomes
CYP2E1	CYP/EZ036	CYP2E1BR EasyCYP Bactosomes
	CYP/EZ009	CYP2E1R EasyCYP Bactosomes
CYP2J2	CYP/EZ034	CYP2J2LR EasyCYP Bactosomes
CYP3A4	CYP/EZ005	CYP3A4BR EasyCYP Bactosomes
	CYP/EZ035	CYP3A4BLR EasyCYP Bactosomes
	CYP/EZ002	CYP3A4R EasyCYP Bactosomes
	CYP/EZ010	CYP3A4LR EasyCYP Bactosomes
CYP3A5	CYP/EZ048	CYP3A5BR EasyCYP Bactosomes
	CYP/EZ045	CYP3A5BLR EasyCYP Bactosomes
	CYP/EZ046	CYP3A5R EasyCYP Bactosomes
	CYP/EZ015	CYP3A5LR EasyCYP Bactosomes
CYP3A7	CYP/EZ060	CYP3A7BR EasyCYP Bactosomes
	CYP/EZ059	CYP3A7R EasyCYP Bactosomes
CYP4A11	CYP/EZ043	CYP4A11BR EasyCYP Bactosomes
	CYP/EZ026	CYP4A11R EasyCYP Bactosomes
	CYP/EZ025	CYP4A11LR EasyCYP Bactosomes
CYP4F2	CYP/EZ040	CYP4F2BLR EasyCYP Bactosomes
CYP4F3	CYP/EZ058	CYP4F3BBR EasyCYP Bactosomes
	CYP/EZ057	CYP4F3BBLR EasyCYP Bactosomes
	CYP/EZ056	CYP4F3BR EasyCYP Bactosomes
	CYP/EZ055	CYP4F3BLR EasyCYP Bactosomes
CYP17A1	CYP/EZ069	CYP17A1BR EasyCYP Bactosomes
	CYP/EZ066	CYP17A1R EasyCYP Bactosomes
	CYP/EZ065	CYP17A1LR EasyCYP Bactosomes
CYP46A1	CYP/EZ068	CYP46A1R EasyCYP Bactosomes
	CYP/EZ067	CYP46A1LR EasyCYP Bactosomes

EasyCYP Bactosomes are prepared to a standard specification:

1 nmol CYP per ml; 10 mg total protein per ml; 0.5 nmol CYP per vial

3) Bactosome kits

Product Description	Cat. No.	Contents
Low Reductase Bactosome Kit	CYP050	1 vial of each of the following Bactosomes: CYP1A2LR (CYP012); CYP2C9R (CYP006); CYP2C19LR (CYP028); CYP2D6LR (CYP013); CYP3A4LR (CYP010); Control (CYP003)
High Reductase Bactosome Kit	CYP051	1 vial of each of the following Bactosomes: CYP1A2R (CYP001); CYP2C9HR (CYP019) CYP2C19R (CYP008); CYP2D6R (CYP007) CYP3A4R (CYP002); Control (CYP003)

4) CYPxxxR Bactosomes (beagle dog)

Dog CYP co-expressed with dog NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1A1	CYP300	Dog CYP1A1LR Bactosomes
CYP1A2	CYP307	Dog CYP1A2LR Bactosomes
CYP2B11	CYP301	Dog CYP2B11LR Bactosomes
CYP2C21	CYP302	Dog CYP2C21LR Bactosomes
CYP2C41	CYP303	Dog CYP2C41LR Bactosomes
CYP2D15	CYP304	Dog CYP2D15LR Bactosomes
CYP3A12	CYP305	Dog CYP3A12LR Bactosomes
CYP3A26	CYP306	Dog CYP3A26LR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

5) CYPxxxR Bactosomes (monkey)

Cynomolgus or rhesus monkey CYP co-expressed with human NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1B1	CYP430	Rhesus monkey CYP1B1LR Bactosomes
CYP2C8 (CYP2C20)	CYP330	Cynomolgus monkey CYP2C8LR Bactosomes
CYP2C9 (CYP2C43)	CYP331	Cynomolgus monkey CYP2C9LR Bactosomes
CYP2C19 (CYP2C75)	CYP332	Cynomolgus monkey CYP2C19LR Bactosomes
CYP2C76	CYP333	Cynomolgus monkey CYP2C76LR Bactosomes
CYP3A4 (CYP3A8)	CYP334	Cynomolgus monkey CYP3A4LR Bactosomes
CYP3A5	CYP335	Cynomolgus monkey CYP3A5LR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

6) CYPxxxR Bactosomes (pig) **NEW!**

Pig CYP co-expressed with pig NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1A2	CYP452	Pig CYP1A2LR Bactosomes
CYP2C49	CYP451	Pig CYP2C49LR Bactosomes
CYP2E1	CYP454	Pig CYP2E1BR Bactosomes
CYP3A39	CYP453	Pig CYP3A39LR Bactosomes
	CYP456	Pig CYP3A39BR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

7) CYPxxxR Bactosomes (rat)

Rat CYP co-expressed with rat NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
CYP1A2	CYP364	Rat CYP1A2LR Bactosomes
CYP1B1	CYP363	Rat CYP1B1LR Bactosomes
CYP2C11	CYP365	Rat CYP2C11LR Bactosomes
CYP2D4	CYP361	Rat CYP2D4LR Bactosomes
CYP2D18	CYP362	Rat CYP2D18LR Bactosomes
CYP3A9	CYP360	Rat CYP3A9LR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

8) CYPxxxR Bactosomes (mouse)

Mouse CYP co-expressed with mouse NADPH-CYP reductase in *E. coli*

Enzyme	Cat. No.	Product Description
Cyp1b1	CYP402	Mouse CYP1B1LR Bactosomes
Cyp2b10	CYP400	Mouse CYP2B10LR Bactosomes
Cyp3a11	CYP401	Mouse CYP3A11LR Bactosomes

All the above products are supplied at 1 nmol CYP per vial.

9) Control preparations

Product Description	Cat. No.	Amount per vial
Control Bactosomes	CYP003	10 mg protein
Control EasyCYP Bactosomes	CYP/EZ003	5 mg protein
Reductase Bactosomes	CYP004	4 nmol reductase
Control cytosol	CYP099	1 mg protein

Control EasyCYP Bactosomes are supplied at a standard protein concentration of 10 mg per ml.

Control cytosol is supplied at a standard protein concentration of 10 mg per ml.

10) Other enzymes

Product Description	Cat. No.	Amount per vial
Human SULT1A1*1	CYP100	1 mg cytosolic protein
Human SULT1A1*2	CYP105	1 mg cytosolic protein
Human SULT1A2	CYP106	1 mg cytosolic protein
Human SULT1A3	CYP101	1 mg cytosolic protein
Human SULT1B1	CYP102	1 mg cytosolic protein
Human SULT1C2	CYP107	1 mg cytosolic protein
Human SULT1C4	CYP108	1 mg cytosolic protein
Human SULT1E1	CYP103	1 mg cytosolic protein
Human SULT2A1	CYP104	1 mg cytosolic protein
Human GSTA1	CYP120	1 mg cytosolic protein
Human GSTM1	CYP120	1 mg cytosolic protein
Human aldehyde oxidase	CYP150	250 µl cytosolic extract
Human aldehyde dehydrogenase 1A1	CYP151	1 mg cytosolic protein
Human carboxylesterase 1 (CES1)	CYP152	1 mg membrane protein
Human carboxylesterase 2 (CES2)	CYP153	1 mg membrane protein
Human UGT1A6 Bactosomes	CYP200	5 mg membrane protein

11) Purified enzymes **NEW!**

Purified CYPs and related enzymes expressed in *E. coli*

Product Description	Cat. No.	Amount per vial
Purified human CYP3A4	CYP900	Please enquire
Purified human CYP2C19	CYP901	Please enquire
Purified human CYP2C9	CYP902	Please enquire
Purified human CYP3A5	CYP903	Please enquire
Purified human cytochrome <i>b</i> ₅	CYP904	Please enquire
Purified rat NADPH-CYP reductase	CYP905	Please enquire
Purified human CYP51	CYP906	Please enquire
Purified human CYP17A1	CYP907	Please enquire

Purified CYPs are normally supplied at a concentration of 100 nmol per ml (100 µM).

12) Antibodies (other than Nosan antibodies)

Product Description	Cat. No.	Amount per vial
Pre-immune sheep serum	CYP600	50 µl
Polyclonal sheep anti-rat UGT antiserum	CYP601	50 µl
Polyclonal sheep anti-human SULT1A3 antiserum	CYP602	50 µl

13) Chemicals

Product Description	Cat. No.
4'-hydroxydiclofenac, 0.1 mg	CYP500
4'-hydroxydiclofenac, 5 mg	CYP500-5
6α-hydroxypaclitaxel, 0.1 mg	CYP501
6α-hydroxypaclitaxel, 5 mg	CYP501-5
[1- ¹⁴ C] lauric acid, 1.85 MBq	CYP502
[1- ¹⁴ C] 11-hydroxylauric acid, 1.85 MBq	CYP503
[1- ¹⁴ C] 12-hydroxylauric acid, 1.85 MBq	CYP504
Tolbutamide, 100 mg	CYP505
Hydroxytolbutamide, 10 mg	CYP506
Carboxytolbutamide, 10 mg	CYP507
Carboxytolbutamide methyl ester, 10 mg	CYP508
Tolbutamide kit (contains CYP505 – CYP508)	CYP509
7-ethoxyresorufin, 10 mg	CYP510
Resorufin, 100 mg	CYP511
7-benzyloxyquinoline (7BQ)	CYP512
7-hydroxyquinoline (7HQ)	CYP513
[3- ¹⁴ C] 7-ethoxycoumarin	CYP514
MAMC, 10 mg	CYP515-10
MAMC, 25 mg	CYP515-25
HAMC, 10 mg	CYP516
7-methoxy-4-(trifluoromethyl)-coumarin (MFC), 10 mg	CYP517-10
7-methoxy-4-(trifluoromethyl)-coumarin (MFC), 25 mg	CYP517-25
*7-benzyloxy-4-(trifluoromethyl)-coumarin (BFC), 10 mg	CYP518-10
*7-benzyloxy-4-(trifluoromethyl)-coumarin (BFC), 25 mg	CYP518-25
7-hydroxy-4-(trifluoromethyl)-coumarin (HFC), 10 mg	CYP519

Omeprazole, 1 g	CYP520
3-O-methylfluorescein, 10 mg	CYP521-10
3-O-methylfluorescein, 25 mg	CYP521-25
Tienilic acid, 10 mg	CYP522-10
Tienilic acid, 25 mg	CYP522-25
Paclitaxel, 25 mg	CYP523-25
Paclitaxel, 100 mg	CYP523-100
Ketoconazole, 100 mg	CYP524-100
Ketoconazole, 1 g	CYP524-1000
Diclofenac, 10 g	CYP525
Amodiaquine dihydrochloride dihydrate, 5 g	CYP526
Desethylamodiaquine, 10 mg	CYP527-10
Desethylamodiaquine, 25 mg	CYP527-25
Terfenadine, 5 g	CYP528
(-)-N-3-benzylphenobarbital, 10 mg	CYP529-10
(-)-N-3-benzylphenobarbital, 25 mg	CYP529-25
Montelukast sodium, 10 mg	CYP530-10
Montelukast sodium, 25 mg	CYP530-25
Diethoxyfluorescein (DEF), 10 mg	CYP531-10
Diethoxyfluorescein (DEF), 25 mg	CYP531-25
(S)-mephénytoin, 5 mg	CYP532-5
(S)-mephénytoin, 25 mg	CYP532-25
(±)-4'-hydroxymephénytoin, 5 mg	CYP533
1'-hydroxymidazolam, 10 mg	CYP534
4-hydroxymidazolam, 10 mg	CYP535

*BFC is not available for sale to customers in the USA.

E&OE