



## SPECIAL OFFER

### 50% off all Ready-to-Assay™ Pre-Plated Membrane Preps

Offer available while supplies last.  
See inside for details.

Promo Code: ZBIOS246

# GPCR Target Panel Q1 2010 UPDATE

## Choose from 176 targets

Millipore has over 5 years experience in developing cell-based reagents to study GPCR pharmacology. Over this period, we have produced the largest panel of stable **GPCR cell lines and membrane preps comprising of over 155 and 135 targets, respectively.** More importantly, since new challenges arise as the GPCR field evolves, we continue to innovate our products and services to provide you with unique solutions. Our Ready-to-Assay™ frozen cells were created to uncouple cell culture from assays and accelerate data generation. Also, Millipore was the **first out source provider** of cell-based functional assays for GPCR selectivity profiling. Continuing this trend of service leadership, Millipore recently designed a novel service, AllostericProfiler™ service, to detect the many distinct properties of allosteric compounds. Millipore looks forward to being your partner in discovering the next life improving GPCR drug.

## Advancing Drug Discovery with Innovative Products, Services and Custom Solutions

- GPCRs
- Ion Channels
- Kinases
- Phosphatases
- High Content Analysis

# GPCR Target Panel

## Q1 2010 UPDATE

Millipore offers a total of 176 GPCR targets. We are adding more GPCRs every month, so please visit [www.millipore.com/GPCR10Q1](http://www.millipore.com/GPCR10Q1) to view the latest additions.

## Ready-to-Assay™ Pre-plated GPCR Membrane Preps

*Making filtration-based binding assays easier than ever!*

Millipore's high quality membrane preps are pre-loaded and frozen on Millipore's glass fiber filtration plates. For your convenience, we have eliminated several steps in a typical binding assay including homogenization of membranes, and a transfer step to filter the reaction. As the user, all you have to do is add buffer and ligands to start the assay, and filtration can be carried out directly using the same assay plate.

See the column on the right in the table below for our available Ready-to-Assay Pre-plated GPCR membrane preps.

**Order now and receive a 50% discount while supplies last. Use Promo Code ZBIOS246 to receive your discount.**

To learn more visit: [www.millipore.com/GPCR10Q1](http://www.millipore.com/GPCR10Q1)

							50% OFF WHILE SUPPLIES LAST
GPCR Family	GPCR (Human unless noted)	GPCRProfiler® Service Panel (HTS-600GPCR)	ChemiScreen™ Calcium-optimized Cell Lines	Ready-to-Assay™ Calcium-optimized Cells	ChemiScreen™ Membrane Preparations	Ready-to-Assay™ Pre-plated Membranes	
Acetylcholine (muscarinic)	M1	yes	HTS044C		HTS044M		
Acetylcholine (muscarinic)	M2	yes	HTS115C		HTS115M		
Acetylcholine (muscarinic)	M3	yes	HTS116C		HTS116M		
Acetylcholine (muscarinic)	M4	yes	HTS117C				
Acetylcholine (muscarinic)	M5	yes	HTS075C		HTS075M		
Adenosine	A1	yes	HTS047C		HTS047M		
Adenosine	A2B	yes	HTS051C				
Adenosine	A3	yes	HTS052C		HTS052M		
Adrenergic	α1A	yes	HTS087C	HTS087F	HTS087M	HTS087P	
Adrenergic	α2A	yes	HTS096C		HTS096M		
Adrenergic	α1B	yes	HTS158C		HTS158M		
Adrenergic	α2B			HTS157F	HTS157M		
Adrenergic	α1D	yes	HTS216C		HTS216M		
Adrenergic	β1	yes	HTS104C	HTS104F	HTS104M	HTS104P	
Adrenergic	β2	yes	HTS073C	HTS073F	HTS073M	HTS073P	
Adrenergic	β3	yes	HTS159C	HTS159F	HTS159M	HTS159P	
α-Ketoglutarate	GPR99	yes	HTS191C				
Anaphylotoxin	C3aR	yes	HTS016C		HTS016M		
Anaphylotoxin	C5aR	yes	HTS017C		HTS017M		
Angiotensin	AT1	yes	HTS064C		HTS064M		
Angiotensin	AT2				HTS208M		
Apelin	APJ	yes	HTS068C		HTS068M		
Bombesin	BB1	yes	HTS123C		HTS123M		
Bombesin	BB2	yes	HTS084C		HTS084M		
Bombesin	BB3	yes	HTS160C		HTS160M		
Bradykinin	B2	yes	HTS041C		HTS041M		
Calcitonin	AMY1				HTS127M		
Calcitonin	CGPR1	yes	HTS172C		HTS172M		
Calcium sensor	Ca5	yes	HTS137C				
Cannabinoid	CB1	yes	HTS019C	HTS019F	HTS019M		
Cannabinoid	CB2	yes	HTS020C	HTS020F	HTS020M/HTS020M2		
Chemoattractant	ChemR23	yes	HTS071C		HTS071M		
Chemokine	CCR1	yes	HTS005C	HTS005F	HTS005M		
Chemokine	CCR10	yes	HTS014C		HTS014M		
Chemokine	CCR2B	yes	HTS007C	HTS007F	HTS007M		
Chemokine	CCR3	yes	HTS008C		HTS008M		
Chemokine	CCR4	yes	HTS009C	HTS009F	HTS009M		
Chemokine	CCR5, rhesus macaque	yes	HTS010C		HTS010M		
Chemokine	CCR6	yes	HTS011C		HTS011M		
Chemokine	CCR7	yes	HTS012C		HTS012M		
Chemokine	CCR8	yes	HTS013C		HTS013M		
Chemokine	CCR9	yes	HTS036C	HTS036F	HTS036M		
Chemokine	CX3CR1	yes	HTS015C		HTS015M		
Chemokine	CXCR1	yes	HTS001C	HTS001F	HTS001M		
Chemokine	CXCR2	yes	HTS002C	HTS002F	HTS002M		
Chemokine	CXCR3	yes	HTS003C	HTS003F	HTS003M		
Chemokine	CXCR4	yes	HTS004C	HTS004F	HTS004M		
Chemokine	CXCR5	yes	HTS055C		HTS055M		
Chemokine	CXCR6	yes	HTS054C		HTS054M		
Chemokine	CXCR7 / RDC1				HTS138M		
Chemokine	XCR1 / GPR5	yes	HTS053C				
Cholecystokinin	CCK1	yes	HTS184C	HTS061F	HTS184M		
Cholecystokinin	CCK2	yes	HTS083C		HTS083M		
CRF Receptor	CRF1	yes	HTS023C	HTS023F	HTS023M		
CRF Receptor	CRF2	yes	HTS024C	HTS024F	HTS024M		

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SUPPLIES LAST

GPCR Family	GPCR (Human unless noted)	GPCRProfiler® Service Panel (HTS- 600GPCR)	ChemiScreen™ Calcium-optimized Cell Lines	Ready-to-Assay™ Calcium-optimized Cells	ChemiScreen™ Membrane Preparations	Ready-to-Assay™ Pre-plated Membranes
Dopamine	D1	yes	HTS102C		HTS102M	
Dopamine	D2L	yes	HTS039C/HTS039C2		HTS039M	
Dopamine	D3				HTS103M	
Dopamine	D4	yes	HTS223C		HTS223M	
Dopamine	D5	yes	HTS129C		HTS129M	
Endothelin	ETA	yes	HTS070C		HTS070M	
Endothelin	ETB	yes	HTS046C		HTS046M	
Free Fatty Acid	GPR41	yes	HTS135C	HTS135F	HTS135M	
Free Fatty Acid	GPR43	yes	HTS063C	HTS063F	HTS063M	
GABA <sub>B</sub>	GABA <sub>B,ip</sub>	yes	HTS119C		HTS119M	
Galanin	GAL1	yes	HTS094C		HTS094M	
Galanin	GAL2	yes	HTS186C		HTS186M	
Ghrelin	Ghrelin / GHSR-1a	yes	HTS187C		HTS187M	
Glucagon	GIP	yes	HTS134C	HTS134F	HTS134M	
Glucagon	GLP-1	yes	HTS163C/HTS163C2		HTS163M	
Glucagon	GLP-2	yes	HTS164C			
Glucagon	glucagon	yes	HTS112C	HTS112F	HTS112M	
Glucagon	secretin receptor	yes	HTS174C	HTS174F		
Glutamate (metabotropic)	mGlu1	yes	HTS145C			
Glutamate (metabotropic)	mGlu2	yes	HTS146C	HTS146F	HTS146M	
Glutamate (metabotropic)	mGlu6				HTS149M	
Glycoprotein hormone	TSH	yes	HTS133C			
GnRH	GnRH	yes	HTS027C		HTS027M	
Histamine	H1	yes	HTS050C		HTS050M	
Histamine	H2	yes	HTS086C		HTS086M	
Histamine	H3	yes	HTS029C			
KiSS1-derived peptide	KiSS1 / GPR54	yes	HTS032C			
Leukotriene	BLT1	yes	HTS042C	HTS042F	HTS042M	
Leukotriene	CysLT1	yes	HTS061C	HTS061F	HTS061M	
Leukotriene	CysLT2	yes	HTS088C			
Lysophospholipid	LPA1	yes	HTS089C		HTS089M	
Lysophospholipid	LPA3	yes	HTS130C	HTS130F		
Lysophospholipid	GPR92 / LPA5	yes	HTS209C			
Lysophospholipid	S1P1	yes	HTS176C	HTS176F	HTS176M	
Lysophospholipid	S1P2	yes	HTS078C	HTS078F	HTS078M	
Lysophospholipid	S1P3	yes	HTS097C	HTS097F	HTS097M	
Lysophospholipid	S1P4	yes	HTS192C	HTS192F		
Lysophospholipid	S1P5	yes	HTS193C		HTS193M	
Mas-related gene	MRGX1 / MRGPRX1	yes	HTS122C		HTS122M	
Mas-related gene	MrgD	yes	HTS206C		HTS206M	
Mas-related gene	MRGX2	yes	HTS058C			
Melanin-concentrating hormone	MCHR1 / GPR24	yes	HTS025C		HTS025M	
Melanin-concentrating hormone	MCHR2	yes	HTS026C			
Melanocortin	MC1				HTS156M	
Melanocortin	MC2	yes	HTS021C			
Melanocortin	MC3				HTS022M	
Melanocortin	MC4	yes	HTS105C		HTS105M	
Melanocortin	MC5	yes	HTS155C		HTS155M	
Melatonin	MT1				HTS065M	
Melatonin	MT2				HTS106M	
Motilin	motilin receptor, MTLR	yes	HTS121C		HTS121M	
Neuromedin U	NMU1	yes	HTS062C		HTS062M	
Neuromedin U	NMU2	yes	HTS098C		HTS098M	
Neuropeptide B/W	NPBW1 / GPR7	yes	HTS180C		HTS180M	
Neuropeptide B/W	NPBW2 / GPR8				HTS181M	
Neuropeptide Y	Y2	yes	HTS066C	HTS066F	HTS066M	
Neuropeptide Y	Y4	yes	HTS204C		HTS204M	
Neurotensin	NTR1	yes	HTS034C	HTS034F	HTS034M	
N-formylpeptide	FPR1	yes	HTS018C		HTS018M	
N-formylpeptide	FPRL1	yes	HTS056C	HTS056F	HTS056M	
Nicotinic Acid	GPR109A	yes	HTS201C		HTS201M	
Opioid	δ	yes	HTS100C		HTS100M	
Opioid	κ	yes	HTS095C		HTS095M	
Opioid	μ	yes	HTS101C		HTS101M	
Opioid	NOP/ORL1	yes	HTS040C		HTS040M	
Orexin	OX1	yes	HTS175C	HTS175F		
Orexin	OX2	yes	HTS045C	HTS045F		
Orphan	GPR39	yes	HTS217C			
Oxytocin	OT	yes	HTS090C		HTS090M	
P2Y / Purinergic (metabotropic)	P2Y1	yes	HTS049C			
P2Y / Purinergic (metabotropic)	P2Y2	yes	HTS210C			
P2Y / Purinergic (metabotropic)	P2Y4	yes	HTS211C			
P2Y / Purinergic (metabotropic)	P2Y11	yes	HTS213C			
P2Y / Purinergic (metabotropic)	P2Y12	yes	HTS195C		HTS195M	
Peptide P518	GPR103/QRFP	yes	HTS189C		HTS189M	
Platelet Activating Factor	PAF	yes	HTS076C			
Prokineticin	PK1	yes	HTS074C		HTS074M	
Prokineticin	PK2	yes	HTS182C		HTS182M	
Prolactin-releasing peptide	PRP	yes	HTS057C		HTS057M	

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Prostanoid	CRTH2			HTS031F	HTS031M	HTS900PA Array
Prostanoid	DP		HTS091C	HTS091F	HTS091M	
Prostanoid	EP1	yes	HTS099C	HTS099F	HTS099M	
Prostanoid	EP2	yes	HTS185C	HTS185F	HTS185M	HTS185P
Prostanoid	EP3	yes	HTS092C	HTS092F	HTS092M	HTS092P single, HTS900PA array
Prostanoid	EP4	yes	HTS142C	HTS142F	HTS142M	HTS142P single, HTS900PA array
Prostanoid	FP	yes	HTS093C	HTS093F		
Prostanoid	IP1	yes	HTS131C	HTS131F		
Prostanoid	TP	yes	HTS081C	HTS081F	HTS081M	HTS081P single, HTS900PA array
Protease-activated	PAR2				HTS037M	
Protease-activated	Thrombin and Trypsin – activated PARs	yes				
PTH receptor	PTH1	yes	HTS030C	HTS030F	HTS030M	
PTH receptor	PTH2	yes	HTS173C	HTS173F		
Serotonin	5-HT1A	yes	HTS107C			
Serotonin	5-HT1B				HTS108M	
Serotonin	5-HT2A	yes	HTS082C		HTS082M	
Serotonin	5-HT2B	yes	HTS109C			
Serotonin	5-HT2C	yes	HTS132C		HTS132M	
Serotonin	5-HT4	yes	HTS110C		HTS110M	
Serotonin	5-HT5A				HTS141M	
Serotonin	5-HT6	yes	HTS111C		HTS111M	
Serotonin	5-HT7				HTS215M	
Somatostatin	sst1				HTS170M	
Somatostatin	sst2	yes	HTS028C		HTS028M	
Somatostatin	sst3	yes	HTS171C		HTS171M	
Somatostatin	sst4	yes	HTS125C		HTS125M	
Somatostatin	sst5	yes	HTS139C		HTS139M	
SPC/LPC /proton-sensor	GPR68/OGR1	yes	HTS153C			
Succinate	SUCNR1/GPR91	yes	HTS241C			
Tachykinin /neurokinin	NK1	yes	HTS080C		HTS080M	
Tachykinin /neurokinin	NK2	yes	HTS144C		HTS144M	
Tachykinin /neurokinin	NK3	yes	HTS190C			
TRH	TRH	yes	HTS126C			
Urotensin II	UT / GPR14	yes	HTS033C		HTS033M	
Vasopressin	V1A	yes	HTS059C		HTS059M	
Vasopressin	V1A, rat		HTS177C			
Vasopressin	V1B	yes	HTS136C		HTS136M	
Vasopressin	V2	yes	HTS060C		HTS060M	
VIP/PACAP	PAC1 long isoform	yes	HTS114C		HTS114M	
VIP/PACAP	VPAC1	yes	HTS043C	HTS043F	HTS043M	
VIP/PACAP	VPAC2	yes	HTS079C		HTS079M	

	ChemiScreen™ Parental Cell Lines	Ready-to-Assay™ Calcium-optimized Cells	ChemiScreen™ Membrane Preparations	Media
CHEM1, parental	HTSCHEM-1	HTSCHEM-1F	HTS000MC1	
CHEM2, parental	HTSCHEM-2		HTS000MC2	
CHEM3, parental	HTSCHEM-3			
CHEM4	HTSCHEM-4			
CHEM5	HTSCHEM-5			
CHEM9	HTSCHEM-09			
CHEM10	HTSCHEM-10			
CHO, parental			HTS000MC	
CHEM3 100x Growth Supplement				HTSCHEM-3S

**CYCLIC AMP AND CYCLIC GMP IMMUNOASSAY KITS**

Type	Description	Colormetric	Chemiluminescent
cAMP HTS	2-96 well plates (192 assays)	17-498	17-418
cAMP HTS	10-96 well plates (960 assays)	17-598	17-518
cAMP HTS	2-384 well plates (768 assays)		17-416
cAMP HTS	10-384 well plates (3840 assays)		17-516
cGMP HTS	2-96 well plates (192 assays)		17-419
cGMP HTS	2-384 well plates (768 assays)		17-417



**TO PLACE AN ORDER OR FOR MORE INFORMATION**

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