

NovaScreen General Side Effect Profile (GEN SEP II™)

Our GEN SEP II is the next generation to the popular GEN SEP PROFILE. The GEN SEP II incorporates receptor subtype assays, many of which use human source material. These replace the non-selective assays using non-human receptor sources that comprise the GEN SEP I. GEN SEP II continues to span a wide range of therapeutic and side effect targets. Please visit our website at www.novascreen.com or call at (410) 712-4410 for additional information or pricing.

GPCRs		
Adenosine, A1	Dopamine, D4.4	Neuropeptide, NPY2
Adenosine, A2A	Endothelin, ETA	Opiate, δ
Adrenergic, α 1A	GABA-B	Opiate, μ
Adrenergic, α 1B	Histamine, H1	Serotonin, 5HT1A
Adrenergic, α 2A	Histamine, H2	Serotonin, 5HT1D
Adrenergic, α 2B	Histamine, H3	Serotonin, 5HT2A
Adrenergic, α 2C	Leukotriene, BLT (LTB4)	Serotonin, 5HT2C
Adrenergic, β 1	Leukotriene, CysLT1 (LTD4)	Serotonin, 5HT4
Adrenergic, β 2	Muscarinic, M1	Serotonin, 5HT5A
Angiotensin II, AT1	Muscarinic, M2	Serotonin, 5HT6
Bradykinin, B2	Muscarinic, M3	Serotonin, 5HT7
Dopamine, D1	Muscarinic, M4	Thromboxane, TXA2
Dopamine, D2	Muscarinic, M5	
Dopamine, D3	Neurokinin, NK1	

Voltage-Gated Ion Channels	
Ca ²⁺ channel, Type L	K ⁺ Channel, Ca ²⁺ activated V1
Ca ²⁺ channel, Type N	K ⁺ Channel, [K _v], hERG
K ⁺ channel, ATP sensitive	Na ⁺ channel, Site 2
Ligand-Gated Ion Channels	
GABA-A, Agonist Site	Glutamate, NMDA
GABA-A, α 1 Site (BDZ)	Glutamate, PCP
GABA, TBOB site	Glutamate, Glycine
Glutamate, AMPA	Glycine, Strychnine
Glutamate, Kainate	Nicotinic (-BnTxinsensitive)
Glutamate, MK-801	Serotonin, 5HT3
Other	
Sigma, S1	Sigma, S2

Transporters	
Adenosine Transporter	Dopamine Transporter
Serotonin Transporter	Norepinephrine Transporter

Enzymes	Nuclear Receptors
Nitric Oxide Synthase, cNOS	Glucocorticoid