

## RBC社 InVEST Panel (In Vitro Safety Pharmacology Profiling)

	Target family	Target name	Species	Assay format
1	Biogenic Amine Transporter	Serotonin Transporter	Human	Radioligand Filter Binding
2	Cholinesterase	Acetylcholinesterase	Human	Enzymatic Activity
3	Cyclooxygenase	COX-1	Ovine	Enzymatic Activity
4	Cyclooxygenase	COX-2	Human	Enzymatic Activity
5	Cytochrome P450	CYP1A2	Human	Enzymatic Activity
6	Cytochrome P450	CYP2A6	Human	Enzymatic Activity
7	Cytochrome P450	CYP2B6	Human	Enzymatic Activity
8	Cytochrome P450	CYP2C19	Human	Enzymatic Activity
9	Cytochrome P450	CYP2C8	Human	Enzymatic Activity
10	Cytochrome P450	CYP2C9	Human	Enzymatic Activity
11	Cytochrome P450	CYP2D6	Human	Enzymatic Activity
12	Cytochrome P450	CYP2E1		Enzymatic Activity
13	Cytochrome P450	CYP2J2		Enzymatic Activity
14	Cytochrome P450	CYP3A4	Human	Enzymatic Activity
15	Cytochrome P450	CYP3A5		Enzymatic Activity
16	GPCR	Adenosine A1 Receptor	Human	Radioligand Filter Binding
17	GPCR	Adrenergic Alpha 1A Receptor	Human	Radioligand Filter Binding
18	GPCR	Adrenergic Alpha 2A Receptor	Human	Radioligand Filter Binding
19	GPCR	Adrenergic Beta 1	Human	Radioligand Filter Binding
20	GPCR	Adrenergic Beta 2	Human	Radioligand Filter Binding
21	GPCR	CCK1 Receptor	Human	Radioligand Filter Binding
22	GPCR	Dopamine D1 Receptor	Human	Radioligand Filter Binding
23	GPCR	Dopamine D2S Receptor	Human	Radioligand Filter Binding
24	GPCR	Dopamine D3 Receptor	Human	Radioligand Filter Binding
25	GPCR	Histamine H1 Receptor	Human	Radioligand Filter Binding
26	GPCR	Muscarinic M1 Receptor	Human	Radioligand Filter Binding
27	GPCR	Muscarinic M2 Receptor	Human	Radioligand Filter Binding
28	GPCR	Muscarinic M3 Receptor	Human	Radioligand Filter Binding
29	GPCR	Muscarinic M4 Receptor	Human	Radioligand Filter Binding
30	GPCR	Muscarinic M5 Receptor	Human	Radioligand Filter Binding
31	GPCR	Opioid delta Receptor	Human	Radioligand Filter Binding
32	GPCR	Opioid kappa Receptor	Human	Radioligand Filter Binding
33	GPCR	Opioid mu Receptor	Human	Radioligand Filter Binding
34	GPCR	Serotonin 5-HT1A Receptor	Human	Radioligand Filter Binding
35	GPCR	Serotonin 5-HT1B Receptor	Human	Radioligand Filter Binding
36	Ion Channel	GABA-A Receptor	Rat	Radioligand Filter Binding
37	Ion Channel	hERG	Human	Fluorescence Polarization
38	Monoamine oxidase	MAO-A	Human	Enzymatic Activity
39	Monoamine oxidase	MAO-B	Human	Enzymatic Activity
40	Nuclear Receptor	Androgen Receptor	Human	Fluorescence Polarization
41	Nuclear Receptor	Estrogen Receptor $\alpha$	Human	Fluorescence Polarization
42	Nuclear Receptor	Estrogen Receptor $\beta$	Human	Fluorescence Polarization
43	Nuclear Receptor	Glucocorticoid Receptor	Human	Fluorescence Polarization
44	Nuclear Receptor	PPAR $\gamma$ Receptor	Human	Fluorescence Polarization
45	Nuclear Receptor	Progesterone Receptor	Human	Fluorescence Polarization
46	Phosphodiesterase	PDE3A	Human	Enzymatic Activity
47	Phosphodiesterase	PDE4A	Human	Enzymatic Activity
48	Phosphodiesterase	PDE4D	Human	Enzymatic Activity
49	Protease	ACE-1	Human	Enzymatic Activity
50	Protease	Cathepsin G	Human	Enzymatic Activity
51	Protease	Thrombin Alpha	Human	Enzymatic Activity