

## G-Protein Coupled Receptor (GPCR) Assays

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| CAT#     | Assay Type | Assay  |
|----------|------------|--|
| 100-0030 | binding    | Adenosine, Non-selective                               |
| 100-0002 | binding    | Adenosine, A1  |
| 100-0328 | binding    | Adenosine, A1 (h)                                      |
| 100-0043 | binding    | Adenosine, A2  |
| 300-0360 | cellular   | Adenosine, A2A, Agonist (h)                            |
| 300-0400 | cellular   | Adenosine, A2A, Antagonist (h)                         |
| 100-0003 | binding    | Adenosine, A2A (h)                                     |
| 100-0004 | binding    | Adenosine, A3  |
| 100-0100 | binding    | Adrenergic, $\alpha$ 1, Non-selective                  |
| 100-0005 | binding    | Adrenergic, $\alpha$ 1A                                |
| 100-0006 | binding    | Adrenergic, $\alpha$ 1B                                |
| 100-0101 | binding    | Adrenergic, $\alpha$ 2, Non-selective                  |
| 100-0007 | binding    | Adrenergic, $\alpha$ 2A (h)                            |
| 100-0008 | binding    | Adrenergic, $\alpha$ 2B                                |
| 100-0102 | binding    | Adrenergic, $\alpha$ 2C                                |
| 100-0009 | binding    | Adrenergic, $\alpha$ 2C (h)                            |
| 300-0784 | cellular   | Adrenergic, $\alpha$ 2C (cAMP) Agonist (h)             |
| 300-0785 | cellular   | Adrenergic, $\alpha$ 2C (cAMP) Antagonist (h)          |
| 100-0103 | binding    | Adrenergic, $\beta$ , Non-selective                    |
| 100-0104 | binding    | Adrenergic, $\beta$ 1                                  |
| 100-0010 | binding    | Adrenergic, $\beta$ 1 (h)                              |
| 300-0401 | cellular   | Adrenergic, $\beta$ 1, Agonist (h)                     |
| 300-0402 | cellular   | Adrenergic, $\beta$ 1, Antagonist (h)                  |
| 100-0105 | binding    | Adrenergic, $\beta$ 2                                  |
| 100-0011 | binding    | Adrenergic, $\beta$ 2 (h)                              |
| 300-0299 | cellular   | Adrenergic, $\beta$ 2, [Ca <sup>2+</sup> ] Agonist (h) |
| 300-0451 | cellular   | Adrenergic, $\beta$ 2, [cAMP] Agonist (h)              |
| 300-0452 | cellular   | Adrenergic, $\beta$ 2, [cAMP] Antagonist (h)           |
| 100-0325 | binding    | Adrenergic, $\beta$ 3 (h)                              |
| 100-0084 | binding    | Angiotensin II, AT1 (h)                                |
| 100-0107 | binding    | Angiotensin II, AT1, Peripheral                        |
| 100-0108 | binding    | Angiotensin II, AT2, Central                           |
| 100-0109 | binding    | ANP-P (ANF)  |

| CAT#     | Assay Type | Assay  |
|----------|------------|--|
| 300-0221 | cellular   | Bradykinin, B1, Agonist (h)  |
| 300-0283 | cellular   | Bradykinin, B1, Antagonist (h)                                     |
| 100-0012 | binding    | Bradykinin, B2   |
| 300-0222 | cellular   | Bradykinin, B2, Agonist  |
| 300-0300 | cellular   | Bradykinin, B2, Antagonist   |
| 100-0073 | binding    | Cannabinoid, CB1 (h)   |
| 100-0074 | binding    | Cannabinoid, CB2 (h)   |
| 100-0114 | binding    | Cholecystokinin, CCKA  |
| 100-0115 | binding    | Cholecystokinin, CCKB  |
| 300-0800 | cellular   | Chemokine, CCR2, Agonist   |
| 300-0801 | cellular   | Chemokine, CCR2, Antagonist  |
| 100-0117 | binding    | Complement, Anaphylatoxin, C5aR (h)                                |
| 100-0118 | binding    | CRF, Non-Selective   |
| 300-0225 | cellular   | CRF1, Agonist (h)  |
| 300-0293 | cellular   | CRF1, Antagonist (h)   |
| 100-0119 | binding    | Dopamine, Non-selective  |
| 100-0116 | binding    | Dopamine, Non-Selective (Clozapine)                                |
| 100-0120 | binding    | Dopamine, D1   |
| 100-0016 | binding    | Dopamine, D1 (h)   |
| 300-0227 | cellular   | Dopamine, D1, Agonist (cAMP) (h)                                   |
| 300-0284 | cellular   | Dopamine, D1, Antagonist (cAMP) (h)                                |
| 300-0755 | cellular   | Dopamine, D1, Agonist (Luciferase) (h)                             |
| 300-0757 | cellular   | Dopamine, D1, Antagonist (Luciferase) (h)                          |
| 100-0121 | binding    | Dopamine, D2   |
| 100-0017 | binding    | Dopamine, D2s (h)  |
| 300-0753 | cellular   | Dopamine, D2, Antagonist[GTP-Eu] (h)                               |
| 300-0752 | cellular   | Dopamine, D2, Agonist (GTP-Eu) (h)                                 |
| 100-0018 | binding    | Dopamine, D3   |
| 100-0122 | binding    | Dopamine, D4.2 (h)   |
| 100-0019 | binding    | Dopamine, D4.4 (h)   |
| 100-0085 | binding    | Endothelin, ETA (h)  |
| 100-0124 | binding    | Endothelin, ETB (h)  |
| 300-0230 | cellular   | Formyl Peptide (Chemotactic), fMLP Agonist (Ca <sup>2+</sup> ) (h) |

(over)

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|----------|------------|--|
| 100-0024 | binding    | GABA-B   |
| 100-0130 | binding    | Galanin, Non-Selective                             |
| 100-0786 | binding    | Gamma-HydroxyButyrate (GHB)                        |
| 100-0756 | binding    | Glutamate, mGluR1                                  |
| 100-0405 | binding    | Glutamate, mGluR5                                  |
| 100-0034 | binding    | Histamine, H1                                      |
| 100-0456 | binding    | Histamine, H1 (h)                                  |
| 100-0086 | binding    | Histamine, H2                                      |
| 300-0229 | cellular   | Histamine, H2, Agonist (cAMP) (h)                  |
| 300-0228 | cellular   | Histamine, H2, Agonist (Ca <sup>2+</sup> ) (h)     |
| 300-0285 | cellular   | Histamine, H2, Antagonist (Ca <sup>2+</sup> ) (h)  |
| 100-0035 | binding    | Histamine, H3                                      |
| 100-0036 | binding    | LTB4 (BLT)   |
| 300-0296 | cellular   | LTB4 (BLT), Agonist (h)                            |
| 300-0297 | cellular   | LTB4 (BLT), Antagonist (h)                         |
| 100-0481 | binding    | LTB4 (BLT1) (h)                                    |
| 100-0482 | binding    | LTB4 (BLT2) (h)                                    |
| 300-0298 | cellular   | LTC4/D4, Agonist (h)                               |
| 100-0037 | binding    | LTD4 (CysLT1)                                      |
| 300-0749 | cellular   | Lysophosphatidic acid, LPA2 (EDG4), Agonist (h)    |
| 300-0750 | cellular   | Lysophosphatidic acid, LPA2 (EDG4), Antagonist (h) |
| 100-0134 | binding    | Melatonin, Non-selective                           |
| 100-0135 | binding    | Muscarinic, Non-selective, Central                 |
| 100-0136 | binding    | Muscarinic, Non-selective, Peripheral              |
| 100-0137 | binding    | Muscarinic, M1                                     |
| 100-0038 | binding    | Muscarinic, M1 (h)                                 |
| 300-0231 | cellular   | Muscarinic, M1 Agonist (Ca <sup>2+</sup> ) (h)     |
| 300-0454 | cellular   | Muscarinic, M1 Antagonist (Ca <sup>2+</sup> ) (h)  |
| 100-0138 | binding    | Muscarinic, M2                                     |
| 100-0039 | binding    | Muscarinic, M2 (h)                                 |
| 100-0139 | binding    | Muscarinic, M3                                     |
| 100-0040 | binding    | Muscarinic, M3 (h)                                 |
| 300-0455 | cellular   | Muscarinic, M3 Agonist (Ca <sup>2+</sup> ) (h)     |
| 100-0041 | binding    | Muscarinic, M4 (h)                                 |
| 100-0042 | binding    | Muscarinic, M5 (h)                                 |
| 100-0044 | binding    | Neurokinin, NK1                                    |
| 100-0140 | binding    | Neurokinin, NK2, NKA (h)                           |
| 100-0141 | binding    | Neurokinin, NK3, NKB                               |
| 100-0144 | binding    | Neurotensin, NT                                    |
| 100-0145 | binding    | Neurotensin, NT (h)                                |
| 100-0142 | binding    | NPY, Non-selective                                 |

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|----------|------------|--|
| 100-0143 | binding    | NPY1 (h)   |
| 100-0045 | binding    | NPY2 (h)   |
| 100-0147 | binding    | Opioid, Non-selective                                |
| 100-0148 | binding    | Opioid, Non-selective (+Na <sup>+</sup> )            |
| 100-0149 | binding    | Opioid, Delta  |
| 100-0049 | binding    | Opioid, Delta-2 (h)                                  |
| 100-0150 | binding    | Opioid, Kappa 1                                      |
| 100-0151 | binding    | Opioid, Mu   |
| 100-0051 | binding    | Opioid, Mu (h)                                       |
| 300-0234 | cellular   | Opioid, Mu, Agonist (GTP $\gamma$ S) (h)             |
| 300-0294 | cellular   | Opioid, Mu, Antagonist (GTP $\gamma$ S) (h)          |
| 100-0072 | binding    | Orphanin, ORL1(h)                                    |
| 100-0152 | binding    | Oxytocin   |
| 100-0153 | binding    | Platelet Activating Factor, PAF                      |
| 300-0236 | cellular   | Platelet Activating Factor, PAF, Agonist (h)         |
| 100-0157 | binding    | Purinergic, P2Y                                      |
| 100-0055 | binding    | Purinergic, P2Y (h)                                  |
| 300-0238 | cellular   | Purinergic, P2Y, Agonist (h)                         |
| 300-0286 | cellular   | Purinergic, P2Y, Antagonist (h)                      |
| 100-0158 | binding    | Serotonin, Non-selective                             |
| 100-0159 | binding    | Serotonin, 5HT1, Non-Selective                       |
| 100-0160 | binding    | Serotonin, 5HT1A                                     |
| 100-0057 | binding    | Serotonin, 5HT1A (h)                                 |
| 100-0161 | binding    | Serotonin, 5HT1B                                     |
| 100-0058 | binding    | Serotonin, 5HT1D                                     |
| 100-0162 | binding    | Serotonin, 5HT1D (h)                                 |
| 100-0059 | binding    | Serotonin, 5HT2A                                     |
| 100-0163 | binding    | Serotonin, 5HT2A (h)                                 |
| 100-0060 | binding    | Serotonin, 5HT2C                                     |
| 100-0062 | binding    | Serotonin, 5HT4                                      |
| 100-0063 | binding    | Serotonin, 5HT5A (h)                                 |
| 100-0064 | binding    | Serotonin, 5HT6 (h)                                  |
| 100-0065 | binding    | Serotonin, 5HT7 (h)                                  |
| 100-0165 | binding    | Somatostatin, Non-Selective                          |
| 300-0737 | cellular   | Sphingosine-1-phosphate, S1P3 (EDG3), Agonist (h)    |
| 300-0738 | cellular   | Sphingosine-1-phosphate, S1P3 (EDG3), Antagonist (h) |
| 100-0070 | binding    | Thromboxane, TXA2 (h)                                |
| 100-0169 | binding    | TRH  |
| 100-0170 | binding    | VIP, Non-selective                                   |
| 100-0171 | binding    | Vasopressin, V1                                      |
| 100-0172 | binding    | Vasopressin, V1A (h)                                 |