

References using FD Cresyl Violet Solution™ (PS102-01 & PS102-02)

1. Bishop C, Tessmer JL, Ullrich T, Rice KC, and Walker PD. (2004) Serotonin 5-HT_{2A} receptors underlie increased motor behaviors induced in dopamine-depleted rats by intrastriatal 5-HT_{2A/2C} agonism. **J Pharmacol Exp Ther.** 310(2):687-94.
2. Kreipke CW, and Walker PD. (2004) NMDA Receptor blockage attenuates locomotion elicited by intrastriatal dopamine D₁-receptor stimulation. **Synapse.** 53(1):28 - 35.
3. Kostich WA, Grzanna R, Lu NZ, and Largent BL. (2004) Immunohistochemical visualization of corticotropin-releasing factor type 1 (CRF1) receptors in monkey brain. **J Comp Neurol.** 478:111-25.
4. Nakamura NH, Rosell DR, Akama KT, and McEwen BS. (2004) Estrogen and ovariectomy regulate mRNA and protein of glutamic acid decarboxylases and cation -chloride cotransporters in the adult rat hippocampus. **Neuroendocrinology.** 80(5):308-23.
5. Bishop C, Daut GS, and Walker PD. (2005) Serotonin 5-HT_{2A} but not 5-HT_{2C} receptor antagonism reduces hyperlocomotor activity induced in dopamine-depleted rats by striatal administration of the D₁ agonist SKF 82958. **Neuropharmacology.** 49(3):350-8.
6. Balan IS, Fiskum G, Hazelton J, Cotto-Cumba C, and Rosenthal RE. (2006) Oximetry-guided reoxygenation improves neurological outcome after experimental cardiac arrest. **Stroke.** 37:3008-13.
7. Clabough EBD, and Zeitlin SO. (2006) Deletion of the triplet repeat encoding polyglutamine within the mouse Huntington's disease gene results in subtle behavioral/motor phenotypes in vivo and elevated levels of ATP with cellular senescence in vitro. **Hum Mol Genet.** 15:607-23.
8. Li Z-G, Zhang W, and Sima AAF. (2007) Alzheimer-like changes in rat models of spontaneous diabetes. **Diabetes.** 56(7):1817-24.
9. Fan L, Hanbury R, Pandey SC, and Cohen RS. (2008) Dose and time effects of estrogen on expression of neuron-specific protein and cyclic AMP response element-binding protein and brain region volume in the medial amygdala of ovariectomized rats. **Neuroendocrinology.** 88(2):111-26.
10. Morrey JD, Siddharthan V, Wang H, Hall JO, Skirpstunas RT, Olsen AL, Nordstrom JL, Koenig S, Johnson S, and Diamond MS. (2008) West Nile virus-induced acute flaccid paralysis is prevented by monoclonal antibody treatment when administered after inflection of spinal cord neurons. **J Neurovirol.** 14(2):152-63.
11. McCormack AL, Mak SK, Shenasa M, Langston WJ, Forno LS, and Di Monte DA. (2008) Pathologic modifications of alpha-synuclein in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-treated squirrel monkeys. **J Neuropathol Exp Neurol.** 67(8):793-802.
12. Eskow KL, Dupre KB, Barnum CJ, Dickinson SO, Park JY, and Bishop C. (2009) The role of the dorsal raphe nucleus in the development, expression, and treatment of L-dopa-induced dyskinesia in hemiparkinsonian rats. **Synapse.** 63(7):610-20.
13. Siddharthan V, Wang H, Motter NE, Hall JO, Skinner RD, Skirpstunas RT, and Morrey JD. (2009) Persistent West Nile virus associated with a neurological sequel in hamsters identified by motor unit number estimation. **J Virol.** 83(9):4251-61.
14. Avila I, Parr-Brownlie LC, Brazhnik E, Castañeda E, Bergstrom DA, and Walters JR. (2010) Beta frequency synchronization in basal ganglia output during rest and walk in a hemiparkinsonian rat. **Exp Neurol.** 221(2):307-19.

15. Hazelton JL, Balan I, Elmer GI, Kristian T, Rosenthal RE, Krause G, Sanderson TH, and Fiskum G. (2010) Hyperoxic reperfusion after global cerebral ischemia promotes inflammation and long-term hippocampal neuronal death. **J Neurotrauma**. 27(4):753-62.
16. Petraglia AL, Marky AH, Walker C, Thiyagarajan M, and Zlokovic BV. (2010) Activated protein C is neuroprotective and mediates new blood vessel formation and neurogenesis after controlled cortical impact. **Neurosurgery**. 66(1):165-71.
17. Walker CT, Marky AH, Petraglia AL, Ali T, Chow N, and Zlokovic BV. (2010) Activated protein C analog with reduced anticoagulant activity improves functional recovery and reduces bleeding risk following controlled cortical impact. **Brain Res**. 1347(6):125-31.
18. Dupre KB, Ostock CY, Eskow Jaunarajs KL, Button T, Savage LM, Wolf W, and Bishop C. (2011) Local modulation of striatal glutamate efflux by serotonin 1A receptor stimulation in dyskinetic, hemiparkinsonian rats. **Exp Neurol**. 229(2):288-99.
19. Figueiredo TH, Aroniadou-Anderjaska V, Qashu F, Apland JP, Souza AP, and Braga MFM. (2011) Efficacy of Topiramate Against Soman Intoxication: Attenuation of Seizures Without Neuroprotection. **Am J Neuroprotect Neuroregen**. 3, 59-65
20. Lindenbach D, Ostock CY, Eskow Jaunarajs KL, Dupre KB, Barnum CJ, Bhide N, Bishop C. (2011) Behavioral and cellular modulation of L-DOPA-induced dyskinesia by beta-adrenoceptor blockade in the 6-hydroxydopamine-lesioned rat. **J Pharmacol Exp Ther**. 337(3):755-65.
21. Ostock CY, Dupre KB, Jaunarajs KL, Walters H, George J, Krolewski D, Walker PD, Bishop C. (2011) Role of the primary motor cortex in L-Dopa-induced dyskinesia and its modulation by 5-HT1A receptor stimulation. **Neuropharmacology**. 61(4):753-60.
22. Byrnes KR, Loane DJ, Stoica BA, Zhang J, Faden AI. (2012) Delayed mGluR5 activation limits neuroinflammation and neurodegeneration after traumatic brain injury. **J Neuroinflammation**. 9:43.
23. Kabadi SV, Stoica BA, Hanscom M, Loane DJ, Kharebava G, Murray Ii MG, Cabatbat RM, Faden AI. (2012) CR8, a selective and potent CDK inhibitor, provides neuroprotection in experimental traumatic brain injury. **Neurotherapeutics**. 9(2):405-21.
24. McCormack AL, Mak SK, Di Monte DA. (2012) Increased α -synuclein phosphorylation and nitration in the aging primate substantia nigra. **Cell Death Dis**. 3:e315.
25. Schultz MK, Wright LK, Stone MF, Schwartz JE, Kelley NR, Moffett MC, Lee RB, Lumley LA. (2012) The anticholinergic and antiglutamatergic drug caramiphen reduces seizure duration in soman-exposed rats: synergism with the benzodiazepine diazepam. **Toxicol Appl Pharmacol**. 259(3):376-86.
26. Kabadi SV, Stoica BA, Loane DJ, Byrnes KR, Hanscom M, Cabatbat RM, Tan MT, Faden AI. (2012) Cyclin D1 gene ablation confers neuroprotection in traumatic brain injury. **J Neurotrauma**. 29(5):813-27.
27. Zhao Z, Loane DJ, Murray MG 2nd, Stoica BA, Faden AI. (2012) Comparing the predictive value of multiple cognitive, affective, and motor tasks after rodent traumatic brain injury. **J Neurotrauma**. 29(15):2475-89.
28. Chou VP, Holman TR, Manning-Bog AB. (2013) Differential contribution of lipoxygenase isozymes to nigrostriatal vulnerability. **Neuroscience**. 228:73-82.
29. Kassem MS, Lagopoulos J, Stait-Gardner T, Price WS, Chohan TW, Arnold JC, Hatton SN, Bennett MR. (2013) Stress-induced grey matter loss determined by MRI is primarily due to loss of dendrites and their synapses. **Mol Neurobiol**. 47(2):645-61.

30. Piao CS, Stoica BA, Wu J, Sabirzhanov B, Zhao Z, Cabatbat R, Loane DJ, Faden AI. (2013) Late exercise reduces neuroinflammation and cognitive dysfunction after traumatic brain injury. **Neurobiol Dis.** 54:252-63.
31. Sobin C, Montoya MG, Parisi N, Schaub T, Cervantes M, Armijos RX. (2013) Microglial disruption in young mice with early chronic lead exposure. **Toxicol Lett.** 220(1):44-52.
32. Aungst SL, Kabadi SV, Thompson SM, Stoica BA, Faden AI. (2014) Repeated mild traumatic brain injury causes chronic neuroinflammation, changes in hippocampal synaptic plasticity, and associated cognitive deficits. **J Cereb Blood Flow Metab.** 34(7):1223-32.
33. Bennett RE, Brody DL. (2014) Acute reduction of microglia does not alter axonal injury in a mouse model of repetitive concussive traumatic brain injury. **J Neurotrauma.** 31(19):1647-63.
34. Chou VP, Ko N, Holman TR, Manning-Boğ AB. (2014) Gene-environment interaction models to unmask susceptibility mechanisms in Parkinson's disease. **J Vis Exp.** 7:(83):e50960.
35. Hsieh CL, Niemi EC, Wang SH, Lee CC, Bingham D, Zhang J, Cozen ML, Charo I, Huang EJ, Liu J, Nakamura MC. (2014) CCR2 deficiency impairs macrophage infiltration and improves cognitive function after traumatic brain injury. **J Neurotrauma.** 31(20):1677-88.
36. Kabadi SV, Stoica BA, Loane DJ, Luo T, Faden AI. (2014) CR8, a novel inhibitor of CDK, limits microglial activation, astrocytosis, neuronal loss, and neurologic dysfunction after experimental traumatic brain injury. **J Cereb Blood Flow Metab.** 34(3):502-13.
37. Loane DJ, Kumar A, Stoica BA, Cabatbat R, Faden AI. (2014) Progressive neurodegeneration after experimental brain trauma: association with chronic microglial activation. **J Neuropathol Exp Neurol.** 73(1):14-29.
38. Schultz MK, Wright LK, de Araujo Furtado M, Stone MF, Moffett MC, Kelley NR, Bourne AR, Lumeh WZ, Schultz CR, Schwartz JE, Lumley LA. (2014) Caramiphen edisylate as adjunct to standard therapy attenuates soman-induced seizures and cognitive deficits in rats. **Neurotoxicol Teratol.** 44:89-104.
39. Zhu M, Allard JS, Zhang Y, Perez E, Spangler EL, Becker KG, Rapp PR. (2014) Age-related brain expression and regulation of the chemokine CCL4/MIP-1 β in APP/PS1 double-transgenic mice. **J Neuropathol Exp Neurol.** 73(4):362-74.
40. Chen L, Xie Z, Turkson S, Zhuang X. (2015) A53T human α -synuclein overexpression in transgenic mice induces pervasive mitochondria macroautophagy defects preceding dopamine neuron degeneration. **J Neurosci.** 35(3):890-905.
41. Deng-Bryant Y, Readnower RD, Leung LY, Cunningham TL, Shear DA, Tortella FC. (2015) Treatment with amnion-derived cellular cytokine solution (ACCS) induces persistent motor improvement and ameliorates neuroinflammation in a rat model of penetrating ballistic-like brain injury. **Restor Neurol Neurosci.** 33(2):189-203.
42. Gummadavelli A, Motelow JE, Smith N, Zhan Q, Schiff ND, Blumenfeld H. (2015) Thalamic stimulation to improve level of consciousness after seizures: evaluation of electrophysiology and behavior. **Epilepsia.** 56(1):114-24.
43. Ostock CY, Hallmark J, Palumbo N, Bhide N, Conti M, George JA, Bishop C. (2015) Modulation of L-DOPA's antiparkinsonian and dyskinetic effects by α 2-noradrenergic receptors within the locus coeruleus. **Neuropharmacology.** 95:215-25.

44. Ulusoy A, Musgrove RE, Rusconi R, Klinkenberg M, Helwig M, Schneider A, Di Monte DA. (2015) Neuron-to-neuron α -synuclein propagation in vivo is independent of neuronal injury. **Acta Neuropathol Commun.** 3:13.
45. Weise CM, Mouton PR, Eschbacher J, Coons SW, Krakoff J. (2015) A post-mortem stereological study of striatal cell number in human obesity. **Obesity (Silver Spring).** 23(1):100-4.
46. Beamer M, Tummala SR, Gullotti D, Kopil C, Gorka S, Ted Abel, Bass CR, Morrison B 3rd, Cohen AS, Meaney DF. (2016) Primary blast injury causes cognitive impairments and hippocampal circuit alterations. **Exp Neurol.** 283(Pt A):16-28.
47. Kumar A, Barrett JP, Alvarez-Croda DM, Stoica BA, Faden AI, Loane DJ. (2016) NOX2 drives M1-like microglial/macrophage activation and neurodegeneration following experimental traumatic brain injury. **Brain Behav Immun.** 58:291-309.
48. Kundishora AJ, Gummadavelli A, Ma C, Liu M, McCafferty C, Schiff ND, Willie JT, Gross RE, Gerrard J, Blumenfeld H. (2016) Restoring Conscious Arousal During Focal Limbic Seizures with Deep Brain Stimulation. **Cereb Cortex.** [Epub ahead of print] PubMed PMID: 26941379.
49. Park JH, Long A, Owens K, Kristian T. (2016) Nicotinamide mononucleotide inhibits post-ischemic NAD (+) degradation and dramatically ameliorates brain damage following global cerebral ischemia. **Neurobiol Dis.** 95:102-10.
50. Skovira JW, Wu J, Matyas JJ, Kumar A, Hanscom M, Kabadi SV, Fang R, Faden AI. (2016) Cell cycle inhibition reduces inflammatory responses, neuronal loss, and cognitive deficits induced by hypobaric exposure following traumatic brain injury. **J Neuroinflammation.** 13(1):299.
51. Albright B, Dhaher R, Wang H, Harb R, Lee TW, Zaveri H, Eid T. (2017) Progressive neuronal activation accompanies epileptogenesis caused by hippocampal glutamine synthetase inhibition. **Exp Neurol.** 288:122-133.
52. Long A, Park JH, Klimova N, Fowler C, Loane DJ, Kristian T. (2017) CD38 Knockout Mice Show Significant Protection Against Ischemic Brain Damage Despite High Level Poly-ADP-Ribosylation. **Neurochem Res.** 42(1):283-293.
53. Bruch J, Xu H, Rösler TW, De Andrade A, Kuhn PH, Lichtenthaler SF, Arzberger T, Winklhofer KF, Müller U, Höglinger GU. (2017) PERK activation mitigates tau pathology in vitro and in vivo. **EMBO Molecular Medicine.** e201606664.