

Semi-Quantitative Determination of Dopaminergic Neuron Density in the Substantia Nigra of Rodent Models using Automated Image Analysis

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Materials

Name	Company	Catalog Number	Comments
A-Syn Antibody	ThermoFisher Scientific	32-8100	
ABC Elite	Vector Labs	PK-6102	
Alexa Fluor 488 secondary antibody	ThermoFisher Scientific	A-11008	
Alexa Fluor 555 secondary antibody	ThermoFisher Scientific	A-28180	
Alkaline phosphatase-conjugated anti-rabbit igG	Jackson Immuno	111-055-144	
Biotinylated anti-mouse IgG	Vector Labs	BA-9200	
Bovine Serum Albumin	Sigma	A2153	
DAKO fluorescent mounting medium	Agilent	S3023	
HALO™	Indica Labs		
Histo-Clear II	Diamed	HS202	
ImmPACT DAB Peroxidase substrate	Vector Labs	SK-4105	
LSM880 Confocal Microscope	Zeiss		
NeuN Antibody	Millipore	MAB377	
Normal Goat Serum	Vector Labs	S-1000-20	
OCT	Tissue-Tek		
Paraformaldehyde	BioShop	PAR070.1	
Sliding microtome	Leica	SM2010 R	
Stereo Investigator	MBF Bioscience		
Sucrose	BioShop	SUC700	
TH Antibody	ThermoFisher Scientific	P21962	
VectaMount mounting medium	Vector Labs	H-5000	
Vector Blue Alkaline Phosphatase substrate	Vector Labs	SK-5300	

Zen Black Software	Zeiss		
Zen Blue Software	Zeiss		