

Materials List for:

Assessment of Dopaminergic Homeostasis in Mice by Use of High-performance Liquid Chromatography Analysis and Synaptosomal Dopamine Uptake

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Materials

Name	Company	Catalog Number	Comments
COMT inhibitor	Sigma Aldrich, Germany	RO-41-0960	For synaptosomal DA uptake protocol
[3H]-Dopamine	Perkin-Elmer Life Sciences, Boston, MA, USA	NET67-3001MC	For synaptosomal DA uptake protocol
Glass microfiber filters	GF/C Whatman, GE Healthcare Life Sciences, Buckinghamshire	1822-024	For synaptosomal DA uptake protocol
HiSafe Scintillation fluid	Perkin Elmer	1200-437	For synaptosomal DA uptake protocol
MicroBeta2	Perkin Elmer		For synaptosomal DA uptake protocol
BCA Protein Assay kit	Thermo Scientific Pierce	23225	For synaptosomal DA uptake protocol
HEPES	Sigma Life Science	H3375	For synaptosomal DA uptake protocol
Sucrose	Sigma Life Science	S7903	For synaptosomal DA uptake protocol
NaCl	Sigma Life Science	S3014	For synaptosomal DA uptake protocol
KCl	Sigma Life Science	P9541	For synaptosomal DA uptake protocol
CaCl ₂	Merck KGaA	10043-52-4	For synaptosomal DA uptake protocol
MgSO ₄	Sigma Life Science	63065	For synaptosomal DA uptake protocol
Ascorbic Acid	Sigma Life Science	A0278	For synaptosomal DA uptake protocol
D-Glucose	Sigma Life Science	G7021	For synaptosomal DA uptake protocol
Pargyline	Sigma Aldrich	P-8013	For synaptosomal DA uptake protocol
Desipramine	Sigma Aldrich	D3900	For synaptosomal DA uptake protocol
Dopamine	Sigma Life Science	H8502	For synaptosomal DA uptake protocol
Cocaine	Sigma Life Science	C5776	For synaptosomal DA uptake protocol
Brain matrix	ASI instruments	RBM2000C	For synaptosomal DA uptake protocol

Cafano mechanical teflon disrupter	Buch & Holm	Discontinued	For synaptosomal DA uptake protocol (homogenization)
Antec Decade (Amperometric detector)	Antec, Leiden, The Netherlands	Discontinued: new model DECADE Elite / Lite™ Electrochemical Detector type 175 and 176	For HPLC protocol
Avantec 0.22 µm glass filter	Frisenette ApS, Denmark	13CP020AS	For HPLC protocol
Column: Prodigy 3 µ ODS-3 C18	Phenomenex, YMC Europe, Chermbeck, Germany	Part Number:00A-3300-E0	For HPLC protocol
LC solution software	Shimadzu	LabSolutions Series Workstation	For HPLC protocol
Perchlor acid 0.1M	Fluka Analytical	35418-500ml	For HPLC protocol (Tissue preparation)
EDTA	Sigma	E5134-50g	For HPLC protocol
Natriumdihydrogenphosphar	Bie&Berntsen	1.06346 1000g	For HPLC protocol
Sodium 1-octanesulfonate monohydrate	Aldrich	74885 -10g	For HPLC protocol
Acetonitrile, isocratic HPLC grade	Scharlau	AC03402500	For HPLC protocol
Filtre 0.22µm	Frisenette ApS, Denmark	Avantec 13CP020AS	For HPLC protocol (Tissue preparation)
ortho-Phosphoric acid 85%	Merck	1.00563. 1000ml	For HPLC protocol
Electrode	Antec, Leiden, The Netherlands	AN1161300	For HPLC protocol (see manual online)
Detector program on DECADE II electrochemical detector	Antec, Leiden, The Netherlands	Lite™ Electrochemical Detector type 175 and 176	For HPLC protocol