

Materials List for:

Development of an Alpha-synuclein Based Rat Model for Parkinson's Disease via Stereotactic Injection of a Recombinant Adeno-associated Viral Vector

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Materials

Name	Company	Catalog Number	Comments
Female 8 weeks old Wistar rats	Janvier	/	200-250 g
Ketamine (Nimatek)	Eurovet animal health	804132	
Medetomidine (Dormitor)	Orion-Pharma/ Janssen Animal Health	1070-499	
Local anesthetic for scalp and ears: Xylocaïne 2% gel	Astrazeneca	0137-547	
Terramycine	Pfizer	0132-472	
Buprénorphine (Vetergesic)	Ecuphar	2623-627	
Jodium 1% isopropanol	VWR	0484-0100	
stereotactic head frame	Stoeling	/	
Hamilton Syringe (30 gauge -20 mm -pst 2)	Hamilton/ Filter Service	7803-07	
atipamezole (Antisedan)	Orion-Pharma/Elanco	1300-185	
rAAV A53T α-SYN vector	LVVC, KU Leuven	/	https://gbiomed.kuleuven.be/english/research/50000715/laboratory-of-molecular-virology-and-gene-therapy/lvvc/
sodium pentobarbital (Nembutal)	Ceva Santé	0059-444	
microtome	Microm	HM650	
rabbit polyclonal synuclein Ab	Chemicon	5038	1:5,000
rabbit polyclonal TH Ab	Chemicon	152	1:1,000
Lutetium oxyorthosilicate detector-based FOCUS 220 tomograph	Siemens/ Concorde Microsystems	/	
radioligand: 18F-FECT	In house	/	
L-dopa: Prolopa 125	Roche		6 mg/kg i.p.
DMEM, Glutamax	Life Technologies	N° 31331-093	
Foetal bovine serum	Life Technologies	N° 10270-106	
25 kD linear polyethylenimine (PEI)	Polysciences	/	
OptiPrep Density Gradient Medium: Iodixanol	Sigma	D1556-250ML	
Optimen	Life Technologies	N° 51985-026	
Paxinos 1 watston steretactic atlas, fourth Edition	Elsevier	/	