

Materials List for:

Functional Magnetic Resonance Spectroscopy at 7 T in the Rat Barrel Cortex During Whisker Activation

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URL: <https://www.jove.com/video/58912>

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Materials

Name	Company	Catalog Number	Comments
0.5 mL syringe with needle	Becton, Dickinson and Company, USA	2020-10	0.33 mm (29 G) x 12.7 mm
¹ H spectroscopy surface coil	Bruker, Ettlingen, Germany	T116344	
7T Bruker Biospec system	Bruker, Ettlingen, Germany	70/20 USR	
Arduino Uno based pulsing device	custom made		
Atipamezole	Vétoquinol, S.A., France	V8335602	Antisedan, 4.28 mg
Breathing mask	custom made		
Eye ointment	TVM laboratoire, France	40365	Ocry gel 10 g
Induction chamber	custom made		30x17x15 cm
Inlet flexible pipe	Gardena, Germany	1348-20	4.6-mm diameter, 3m long
Isoflurane pump, Model 100 series vaporizer, classic T3	Surgivet, Harvard Apparatus	WWV90TT	from OH 43017, U.S.A
Isoflurane, liquid for inhalation	Vertflurane, Virbac, France	QN01AB06	1000 mg/mL
KD Scientific syringe pump	KD scientific, Holliston, USA	Legato 110	
LCModel software	LCModel Inc., Ontario, Canada	6.2	
Medetomidine hydrochloride	Vétoquinol, S.A., France	QN05CM91	Domitor, 1 mg/mL
Micropore roll of adhesive plaster	3M micropore, Minnesota, United States	MI912	
Micropore roll of adhesive plaster	3M micropore, Minnesota, United States	MI925	
Monitoring system of physiologic parameter	SA Instruments, Inc, Stony Brook, NY, USA	Model 1025	
NaCl	Fresenius Kabi, Germany	B05XA03	0.9 % 250 mL
Outlet flexible pipe	Gardena, Germany	1348-20	4.6-mm diameter, 4m long
Paravision software	Bruker, Ettlingen, Germany	6.0.1	
Peripheral intravenous catheter	Terumo, Shibuya, Tokyo, Japon	SP500930S	22 G x 1", 0.85x25 mm, 35 mL/min
Rat head coil	Bruker, Ettlingen, Germany		
Sodic heparin, injectable solution	Choai, Sanofi, Paris, France	B01AB01	5000 IU/mL
Solenoid control valves, plunger valve 2/2 way direct-acting	Burkert, Germany	3099939	Model type 6013
Terumo 2 ml syringe	Terumo, Shibuya, Tokyo, Japon	SY243	with 21 g x 5/8" needle
Terumo 5 mL syringe	Terumo, Shibuya, Tokyo, Japon	05SE1	
Wistar RJ-Han rats	Janvier Laboratories, France		