

Materials List for:

Automatic Detection of Highly Organized Theta Oscillations in the Murine EEG

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Materials

Name	Company	Catalog Number	Comments
Carprofen (Rimadyl VET - Injektionslösung)	Pfizer	PZN 0110208208	20ml
binocular surgical magnification microscope	Zeiss Stemi 2000	0000001003877, 4355400000000, 0000001063306, 4170530000000, 4170959255000, 4551820000000, 4170959040000, 4170959050000	
Dexpanthenole (Bepanthen Wund- und Heilsalbe)	Bayer	PZN: 1578818	
drapes (sterile)	Hartmann	PZN 0366787	
70% ethanol	Carl Roth	9065.5	
0.3% / 3% hydrogen peroxide solution	Sigma	95321	30% stock solution
gloves (sterile)	Unigloves	1570	
dental glass ionomer cement	KentDental /NORDENTA	957 321	
heat-based surgical instrument sterilizer	F.S.T.	18000-50	
high-speed dental drill	Adeor	SI-1708	
Inhalation narcotic system (isoflurane)	Harvard Apparatus GmbH	34-1352, 10-1340, 34-0422, 34-1041, 34-0401, 34-1067, 72-3044, 34-0426, 34-0387, 34-0415, 69-0230	
Isoflurane	Baxter 250 ml	PZN 6497131	
Ketamine	Pfizer	PZN 07506004	
Lactated Ringer's solution (sterile)	Braun	L7502	
Nissl staining solution	Armin Baack	BAA31712159	
pads (sterile)	ReWa Krankenhausbedarf	2003/01	
Steel and tungsten electrodes parylene coated	FHC Inc., USA	UEWLGESANND	
stereotaxic frame	Neurostar	51730M	ordered at Stoelting
(Stereo Drive-New Motorized Stereotaxic)			
tapes (sterile)	BSN medical GmbH & Co. KG	626225	
TA10ETA-F20	DSI	270-0042-001X	Radiofrequency transmitter 3.9 g, 1.9 cc, input voltage range ± 2.5 mV, channel bandwidth (B) 1 - 200 Hz, nominal sampling rate (f) 1,000 Hz (f = 5B) temperature operating

			range 34 - 41 °C warranted battery life 4 months
TL11M2-F20EET	DSI	270-0124-001X	Radiofrequency transmitter 3.9 g, 1.9 cc, input voltage range \pm 1.25 mV, channel bandwidth (B) 1 - 50 Hz, nominal sampling rate (f) 250 Hz (f = 5B) temperature operating range 34 - 41 °C warranted battery life 1.5 months
Vibroslicer 5000 MZ	Electron Microscopy Sciences	5000-005	
Xylazine (Rompun)	Bayer	PZN: 1320422	
Matlab	Mathworks Inc.		programming, computing and visualization software
SPSS	IBM		statistical analysis software