

Materials List for:

# The Use of Pharmacological-challenge fMRI in Pre-clinical Research: Application to the 5-HT System

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URL: <https://www.jove.com/video/3956>

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## Materials

Name	Company	Catalog Number	Comments
Isoflurane	 Abbott Laboratories	No B506	Mix with medical air
Medical air	 BOC Healthcare		
Heating pad	 Harvard Apparatus	507223F Complete Homeothermic Blanket System with Flexible Probe, Medium, 230 VAC, 50 Hz	
Silk ligature	 Harvard Apparatus	2-0 black braided silk non-absorbable Cat Num 51-7631	
PE-50 Cannula	 Scientific Laboratory Supplies LTD	Portex Tubing PE 0.58x0.96mm	0.58 ID 0.96 OD mm
Heparin sodium	 Leo Laboratories	Heparin sodium 1000IU/ml	15 U/ml
Vetbond Tissue Adhesive	 3M	MVetbond Tissue Adhesive	
Monitoring system	 SA Instruments	<a href="http://www.i4sa.com">http://www.i4sa.com</a> Model 1025L monitoring system	Monitors respiration and temperature
Pressure transducer	 Biopac Systems, Inc.	BLOOD PRESSURE TRANSDUCER - TSD104A MP150 DATA ACQUISITION SYSTEM - WIN - MP150WSW	Monitors blood pressure
RapidLab blood gas analyzer	 Siemens AG	RAPIDLab 248/348 Systems	
4.7T animal scanner	Agilent Technologies		4.7T frequency 199.845 MHz
MR compatible stereotactic bed	 m2m Imaging Corp	Rat bed: PA Multi element AHS 50-72-1003/100	
Coil	 m2m Imaging Corp	Volume TH/Rx RQD1 72/112 200	
Fluoxetine Hydrochloride	Sigma-Aldrich	F-132	5mg/kg in saline