

Low-intensity Blast Wave Model for Preclinical Assessment of Closed-head Mild Traumatic Brain Injury in Rodents

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Materials

Name	Company	Catalog Number	Comments
3/8 SAE High Pressure Hydraulic Hose	Eaton Aeroquip	R2-6-6-36M	Available from Grainger
3/8" Quick Connect Female Plugs	Karcher	KAR 86410440	
3/8" Quick Connect Male Plugs	Karcher	KAR 86410440	
ANY-maze video tracking software	Stoelting Co.	ANY-maze software	
Clear Mylar membrane	ePlastics.com	POLYCLR0.003	http://www.eplastics.com/Plastic/Clear_Polyester_Film/POLYCLR0-003 ; Clear Mylar membrane is sold in various thicknesses. All are sold by vendor listed above.
Compound Slide Table (X2)	Grizzly Industrial	G5757	
Deadman Gas Control Ball Valve	Coneraco Inc.	71-502-01	"Apollo", Available from Grainger
Driver and driven section (murine)	own design/production	n/a	For further information please contact the authors
Driver and driven section (rat)	own design/production	n/a	For further information please contact the authors
Ear Muffs	3M	37274	Available from Grainger
Gas Regulator - Hi Flow 3500-600-580	Harris	3003539	
Helium Gas	AirGas	HE 300	Tanks are available in various sizes
Inhalation Anesthesia System	VetEquip	901806	
Input Module	National Instruments	NI 9223	
Isoflurane	Baxter	NDC 10019-360-40	Ordered by veterinarian

Laboratory Timer/Stopwatch	Fisher Scientific	50-550-352	
Labview version 12.0	National Instruments		Data Acquisition Software
Magnetic Dial Indicator/Micrometer	Grizzly Industrial	G9849	
MATLAB	MathWorks		Software for pressure recording analysis
Oxygen Regulator	Medline	HCS8725M	
PC for Data Processing	Dell		
Polyvinylchloride Tubing - 25.4 mm	FORMUFIT	P001FGP-WH-40x3	
Pressure sensors	PCB Piezotronics	102A05	
Receiver USB Chassis	National Instruments	DAQ-9171	
Sensor Signal Conditioner	PCB Piezotronics	482C series	
Stainless NSF-Rated Mounting Table	Gridmann	GR06-WT2448	
T Handle Allen Wrench - 3/16"	S&K	73310	