

Materials List for:

An Innovative Running Wheel-based Mechanism for Improved Rat Training Performance

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Materials

Name	Company	Catalog Number	Comments
Brushless DC motor	Oriental Motor	BLEM512-GFS	
Motor driver	Oriental Motor	BLED12A	
Motor reducer	Oriental Motor	GFS5G20	
Speedometer	Oriental Motor	OPX-2A	
Treadmill	Columbus Instruments	Exer-6M	
Infrared transmitter	Seeed Studio	TSAL6200	
Infrared Receiver	Seeed Studio	TSOP382	
Microcontroller	Silicon Labs	C8051F330	
CCD camera	Canon Inc.	EOS 450D	
Image processing software	Adobe Systems Incorporated	ADOBE Photoshop CS5 12.0	
Image analysis	Media Cybernetics	Pro Plus 4.50.29	
Sodium pentobarbital	Sigma-Aldrich (Saint Louis, MO, USA)	SIGMA P-3761	
Ketamine	Pfizer (Kent, UK)	1867-66-9	
Atropine	Taiwan Biotech Co., Ltd. (Taoyuan, Taiwan)	A03BA01	
Xylazine	Sigma-Aldrich (Saint Louis, MO, USA)	SIGMA X1126	
Buprenorphine	Sigma-Aldrich (Saint Louis, MO, USA)	B9275	