

Real-Time Electrocardiogram Monitoring during Treadmill Training in Mice

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Materials

Name	Company	Catalog Number	Comments
14-gauge needle	Sterican	584125	
Any mouse	e.g. Jackson Laboratories		
Bepanthen	Bayer	1578675	
Carprofen 0.005 mg/μL	Zoetis	53716-49-7	
Data Exchange Matrix 2.0 (MX2)	Data Science International		Manages communication between PhysioTel and PhysioTel HD telemetry implants and the acquisition computer.
Enrofloxacin 25 mg/ml	Baytril	400614.00.00	
Fentanyl 0.5 mg/10 mL	Braun Melsungen		
Fine forceps	Fine Science Tools	11295-51	
Five Lane Treadmill for Mouse	Panlab - Harvard Apparatus	76-0896	Includes treadmill unit, touchscreen control unit, a sponge , and cables
Iris scissors	Fine Science Tools	14084-08	
Isoflurane 1 mL/mL	Cp-Pharma	31303	
Isoflurane vaporizer system	Hugo Sachs Elektronik	34-0458, 34-1030, 73-4911, 34-0415, 73-4910	Includes an induction chamber, a gas evacuation unit and charcoal filters
LabChart Pro 8.1.16	ADInstruments		
Magnet	Data Science International		
Modified Bain circuit	Hugo Sachs Elektronik	73-4860	Includes an anesthesia mask for mice
Modular connectors	Data Science International		Connecting cables between Receiver, Signal Interface and Matrix 2.0 (MX2)
Novafil s 5-0	Medtrocin/Covidien	88864555-23	
Octal BioAmp	ADInstruments	FE238-0239	Amplifier for recording Surface ECG

Octenisept	Schülke	121418	
Oxygen 5 L	Linde	2020175	Includes a pressure regulator
PhysioTel ETA-F10 transmitter	Data Science International		
PhysioTel receiver RPC-1	Data Science International		Signal receiver
Ponemah 6.42	Data Science International		ECG Analysis Software
Powerlab	ADInstruments	3516-1277	Surface ECG Acquisition hardware device. Includes ECG electrode leads
Prism 8.0.1	Graph Pad		
Radio Device (Sony AF/AM)	Sony		
Signal Interface	Data Science International		Acquires and synchronizes digital signals with telemetry data in Ponemah v6.x.
Spring scissors	Fine Science Tools	91500-09	
Surgical platform	Kent Scientific	SURGI-M	
Tergazyme 1%	Alconox	13051.0	Commercial cleaning solution
Tweezers	Kent Scientific	INS600098-2	