

Materials List for:

Electrophysiological Motor Unit Number Estimation (MUNE) Measuring Compound Muscle Action Potential (CMAP) in Mouse Hindlimb Muscles

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Materials

Name	Company	Catalog Number	Comments
Pro trimmer Pet Grooming Kit	Oster	078577-010-003	clippers for hair removal
Synergy T2 EMG system	Natus Neurology	Model no longer available	portable electrodiagnostic system
monopolar needles 28 G	Teca	017K121	cathode and anode stimulating electrodes
Alpine Biomed Digital Ring Electrode with twisted wires and 1.5 mm TP connectors.	Alpine Biomed	9013S0312	recording electrodes
Helping Hands alligator clip with iron base	Radio Shack	64-079	Maintaining recording electrode placement
Spectra 360 Electrode Gel	Parker Laboratories	9013G5012	applied to reduce skin impedance
monoject curved tip irrigating syringe	Covidien	81412012	utilized for application of electrode gel
EMG needle cable	Teca	902-RLC-TP	to connect monopolar electrodes to electrodiagnostic stimulator
Disposable 2" x 2" Electrode or similar trimmed as needed	Carefusion	019-415000	ground electrode
Small Heating Plate with built-in RTD sensor, 15 x10 cm	World Precision Instruments	61830	warming plate used with animal temperature controller to transmit heat to animal
Silicone pad for use with ATC2000	World Precision Instruments	503573	conductive removable pad to cover warming plate for easy cleaning
Animal temperature controller	World Precision Instruments	ATC2000	low noise animal heating system for maintaining animal temperature
Veterinarian petroleum-based ophthalmic ointment	Puralube	26870	applied during anesthesia to avoid corneal injury