

Materials List for:

Using Pharmacological Manipulation and High-precision Radio Telemetry to Study the Spatial Cognition in Free-ranging Animals

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Materials

Name	Company	Catalog Number	Comments
Scopolamine bromide	Sigma	S0929	USP
Scopolamine methylbromide	Sigma	S8502, 1421009	USP and non USP versions
Saline	Hanna Pharmaceutical Supply Co., Inc.	409488850	USP, formulated as an injectable
Syringe filter	Fisher	09-720-004	
Syringe	Fisher	14-823-30	
Hypodermic needle	Fisher	14-823-13	
Antenna	Wildlife Materials	3 Element Folding Yagi	Antennae with additional elements are available, but can be cumbersome in the field.
Radio Receiver	Wildlife Materials	TRX-2000S	Water resistant models are also available.
Compass	Brunton	Truarc 15	
Radio transmitters	Holohil Inc.	BD-2, PD-2, RI-2B	Transmitter models vary in lifespan and signal output as a function of battery size and pulse rate settings, which can be customized based on the study question and organism.
GPS	Garmin	eTrex Venture	
Coaxial cable	newegg.com	C2G 40026	BNC connections are necessary.
Hoop net	Memphis Net and Twine	TN325	Net mesh size should be chosen based on the minimum size of the target animal.