

Materials List for:

Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver

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Materials

Name	Company	Catalog Number	Comments
Ultrasound imaging system	BK ultrasound (ultrasonix)	SonixMDP	
Custom ultrasound probe	Vernon		
Spinal needle	Terumo		20 gauge
Fibre-optic hydrophone	Precision Acoustics		
Fibre-optic stripping tool	Thorlabs	FTS4	
Stereo microscope	Leica Microsystems	Z16APO	
Tuohy-Borst Sidearm adapter	Cook Medical	PTBYC-RA	
Pipette	Eppendorf		100 mL
Micropipette tip	Eppendorf		20 µL
Ultraviolet optical adhesive	Norland Products	NOA81	
Syringe	Terumo		10 mL
Ultraviolet light source	Norland Products	Opticure 4 Light Gun	
Data acquisition card	National Instruments	USB-5132	
Articulated arm	CIVCO	811-002	
Thiopental sodium	Novartis Animal Health UK		Thiovet
Isoflurane	Merial Animal Health		Isoflurane-Vet
Ocular lubricant	Allergan, Marlow, UK		Lacri-Lube
Skin lubricant	Adams Healthcare, Garforth, UK		Hibitane 2%