

Sample Preparation for Computed Tomography-based Three-dimensional Visualization of Murine Hind-limb Vessels

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Materials

Name	Company	Catalog Number	Comments
1 mL syringe	TERUMO	SS-01T	
10% Formalin Solution	Fujifilm-Wako	068-03841	
10x phosphate-buffered saline (-) (PBS)	Fujifilm-Wako	163-25265	Prepare 1x PBS
22 G catheter (22 G S5 x 1" V(F))	MEDIKIT	HP2140	Only catheter is used.
23 G needle	TERUMO	NN-2325R	Use as a pin
4% paraformaldehyde in PBS	Fujifilm-Wako	163-20145	
5 mL syringe			
5-0 Suture with needle	Alfresa Pharma Corporation	ER1205SB45	
Adenosine	Sigma-aldrich	A9251-5G	For vasodilating solution
Dumont #55 Forceps	FST	No.11255-20	
Extension tube	TOP	X2-FL50	
Falcon 50 mL tube	CORNING	352098	
Graefe Forceps	FST	No.11051-10	
Heparin Sodium 5,000 units/5 mL	Mochida Co. Ltd.	224122458	
Isoflurane	Fujifilm-Wako	099-06571	
Microfil Injection Compounds	Flow Tech Inc.	MV-117	Mix liquid MV-Compound (stain) and MV-Diluent 1: 1
Papaverine hydrochloride	Fujifilm	164-18002	For vasodilating solution
Small Animal Anesthetizer	Muromachi Kikai Co. Ltd.	MK-A100ecoW-ST	
Spring Scissors - Angled to Side	FST	No.15006-09	
Surgical Scissors - Sharp-Blunt	FST	No.14001-12	
three-way cock	TERUMO	TS-TR1K	
Transfer pipette	SAMCO SCIENTIFIC	SM262-1S	Use for mixing contrast medium

X-ray CT scanner	Toshiba IT & Control Systems Corporation	TOSHIBA TOSCANNER 32300 FPD	
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