

Materials List for:

A Micro-CT-based Method for Characterizing Lesions and Locating Electrodes in Small Animal Brains

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Materials

Name	Company	Catalog Number	Comments
Paraformaldehyde (PFA)	Electron Microscopy Sciences (EMS)	15710	2% (w/v) in 1X PBS
Glutaraldehyde (GA)	EMS	16220	2.5% (w/v) GA in 1x PBS
OsO ₄	EMS	19190	Work in fume hood
Ethanol	Decon Labs	Koptec	140, 190, 200 proof
Acetone	EMS	10015	Glass-distilled
Durcupan ACM resin	Sigma-Aldrich	44610	A, B, C and D components, resin for embedding
Disposable molds	Ted Pella	27114	Suggested
milliQ water (ultrapure water)	Millipore Sigma	QGARD00R1 (or related purifier)	Suggested
Parafilm (paraffin film)	Millipore Sigma	P7793	Suggested paraffin film
Micro-CT scanner	Nikon Metrology Ltd., Tring, UK	X-Tek HMS ST 225	Used by authors
Software for visualizing and analyzing micro-CT scans:			
	Volume Graphics	VG Studio Max	Used by authors
	FEI / Thermo Scientific	Avizo	Used by authors
	FEI / Thermo Scientific	Amira	Similar to Avizo
	Mark Sutton & Russell Garwood	Spiera	Free, http://spiera-software.org/
	Pixmeo Sarl	Osirix Lite	Free, https://www.osirix-viewer.com/
	Open Source	FIJI	Free, https://fiji.sc/
	Adobe	Photoshop	Good for analyzing one slice at a time