Materials List for:

A Standardized Method for the Analysis of Liver Sinusoidal Endothelial Cells and Their Fenestrations by Scanning Electron Microscopy

Victoria C Cogger*[1,2,3], Jennifer N O'Reilly*[1,2], Alessandra Warren[1,2,3], David G Le Couteur[1,2,3]

[1]Centre for Education and Research on Ageing & ANZAC Research Institute, University of Sydney and Concord Hospital

[2]Ageing and Alzheimers Institute, Concord Hospital

[3]Charles Perkins Centre, University of Sydney

*These authors contributed equally

Correspondence to: Victoria C Cogger at victoria.cogger@sydney.edu.au

Materials

Name	Company	Catalog Number	Comments
25% EM grade Glutaraldehyde	ProSciTech	C001	Store stock at -20 C until needed, avoid refreeze
Paraformaldehyde powder	Sigma Aldrich	158127	Always prepare Paraformaldehyde fresh
Sodium Cacodylate powder	Sigma Aldrich	C0250	Prepare 0.2 M stock, pH 7.4 by dissolving powder in dH_2O, used mostly at 0.1 M by preparing 1:2 dilution
Calcium Chloride	Sigma Aldrich	C1016	Prepare 1 M CaCl2by dissolving powder in dH_2O
Osmium tretroxide	ProSciTech	C011	Wash ampoules in weak acid prior to use to avoid contamination. Prepare 2 % stock in glass bottle
Ethanol- Absolute	Sigma Aldrich	459836	100 % Ethanol must be high grade and stored with Molecular Sieve
Other grades of Ethanol	Labtech	EL5	Prepare graded Ethanols with dH_2O
Hexamethyldisilazane	Sigma Aldrich	52619	Allow to reach room temperature before use
Cannulas	Terumo	TSROX1832C, TSROX2225C, TSROX2419C	18 G is suitable for most rats, 22 G is suitable for most mice, but it is good to have a few 24 G on hand in case of very small mice
Conductive Carbon tape	ProSciTech	IA0201	
Carbon Paint	ProSciTech	I003	
Ketamine			Must be obtained under license
Xylazine			Must be obtained under license
Molecular Sieve	Sigma Aldrich	208647	Removes water from the 100 % Ethanol