

Materials List for:

# Correlative Light and Electron Microscopy to Study Microglial Interactions with $\beta$ -Amyloid Plaques

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URL: <https://www.jove.com/video/54060>

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## Materials

Name	Company	Catalog Number	Comments
Methoxy-X04	Tocris Bioscience	4920	10 mg substrate per tablet
Propylene glycol	Sigma Aldrich	W294004	
Dimethyl sulfoxide (DMSO)	Fisher BioReagents	BP231-1	Caution: toxic
Sodium Chloride NaCl	Sigma	S9625	
Sodium phosphate monobasic monohydrate	Sigma	S9638	
Sodium phosphate dibasic	Sigma	S0876	
Tris Hydrochloride	Fisher BioReagents	BP153500	
Acrolein	Sigma	110221	Caution: Toxic
Paraformaldehyde Granular	Electron Microscopy Sciences	19210	Caution: Toxic
Filter paper	Fisher	09-790-14F	
Peristaltic Pump with Tubing	ColeParmer	cp.78023-00	
Excel Winged blood Collection Set Needles 25 G	Becton Dickinson	367341	
Extrafine Forceps	F.S.T	11152-10	Tip shape: curved
Scissors	F.S.T	14090-09	Tip shape: straight
Hartman Hemostats	F.S.T	13003-10	Tip shape: curved
Surgical Scissors	F.S.T	14004-16	Tip shape: straight
Micro Dissecting Scissors	ROBOZ surgical store	5818	
Glass scintillation vials	Fisher Scientific	74515-20	
Vibrating Blade Microtome Leica VT1000 S	Leica Biosystems	14047235612	
Vibratome blades	Electron microscopy Sciences	71990	
Microscope Slides	Fisher Scientific	12-550-15	
24-well Tissue Culture Plates	Fisher Scientific	353047	
Ethylene Glycol	Fisher BioReagents	BP230-4	
Glycerol	Fisher BioReagents	BP229-4	
Hydrogen Peroxide, 30%	J.T.BAKER	cat: 2186-01	
Sodium borohydride	Sigma	480886	
Tris HCl	Fisher	BP153-500ML	
Fetal bovine Serum (FBS)	Sigma Aldrich	F1051	
Bovine serum albumin (BSA), fraction V	Thomas Scientific	C001H24	
Triton X-100	Sigma	T8787	

Anti IBA1, Rabbit	WAKO	019-19741	
Goat Anti-Rabbit IgG	Jackson Immunoresearch	111066046	
VECTASTAIN Elite ABC Kit (Standard)	Vector Labs	PK-6100	
3,3'-Diaminobenzidine tetrahydrochloride (DAB)	Sigma	D5905-50TAB	Caution: toxic
Osmium tetroxide, 4% solution	Electron Microscopy Sciences	19150	Caution: toxic
Durcupan™ ACM single component A	Sigma	44611	Resin Caution: Toxic
Durcupan™ ACM single component B	Sigma	44612	Hardener Caution: Toxic
Durcupan™ ACM single component C	Sigma	44613	Plasticizer Caution: Toxic
Durcupan™ ACM single component D	Sigma	44614	Accelerator Caution: Toxic
Ethanol	LesAlcoolsdeComerce	151-01-15N	
Propylene oxide	Sigma	110205	Caution: corrosive
Aluminum weigh dishes	Electron Microscopy Sciences	70048-01	
ACLAR®-Fluoropolymer Films	Electron Microscopy Sciences	50425	
Oven/Incubator	VWR		