

Materials List for:

Use of Autometallography to Localize and Semi-Quantify Silver in Cetacean Tissues

Wen-Ta Li¹, Bang-Yeh Liou¹, Wei-Cheng Yang², Meng-Hsien Chen³, Hui-Wen Chang^{1,2}, Hue-Ying Chiou⁴, Victor Fei Pang^{1,2}, Chian-Ren Jeng^{1,2}

¹Graduate Institute of Molecular and Comparative Pathobiology, National Taiwan University

²School of Veterinary Medicine, National Taiwan University

³Department of Oceanography and Asia-Pacific Ocean Research Center, National Sun Yat-sen University

⁴Graduate Institute of Veterinary Pathobiology, National Chung Hsing University

Correspondence to: Chian-Ren Jeng at crjeng@ntu.edu.tw

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Materials

Name	Company	Catalog Number	Comments
HQ Silver enhancement kit	Nanoprobes	#2012	
Surgipath Paraplast	Leica Biosystems	39601006	Paraffin
100% Ethanol	Muto Pure Chemical Co., Ltd	4026	
Non-Xylene	Muto Pure Chemical Co., Ltd	4328	
Silane coated slide	Muto Pure Chemical Co., Ltd	511614	
Cover glass (25 x 50 mm)	Muto Pure Chemical Co., Ltd	24501	
Malinol	Muto Pure Chemical Co., Ltd	20092	
GM Haematoxylin Staining	Muto Pure Chemical Co., Ltd	3008-1	
10% neutral buffered formalin solution	Chin I Pao Co., Ltd	---	
Tip (1000 µL)	MDBio, Inc.	1000	
PIPETMAN Classic P1000	Gilson, Inc.	F123602	
15 ml Centrifuge Tube	GeneDireX, Inc.	PC115-0500	
Dogfish liver	National Research Council of Canada	DOLT-2	
Dogfish muscle	National Research Council of Canada	DORM-2	
Inductively coupled plasma mass spectrometry (ICP-MS)	PerkinElmer Inc.	PE-SCIEX ELAN 6100 DRC	
FreeZone 6 liter freeze dry system	Labconco	7752030	For freeze drying
BRAND® SILBERBRAND volumetric flask	Merck	Z326283	
30 mL standard vial, flat interior with 33 mm closure	Savillex Corporation	200-030-12	For digestion
Nitric acid, superpur®, 65.0%	Merck	1.00441	For digestion
Hot Plate/Stirrers	Corning®	PC-220	For digestion
High Shear lab mixer	Silverson	SL2T	For homogenization
Sterile polypropylene sample jar (250mL)	Thermo Scientific™	6186L05	For homogenization
Digital camera	Nikon Corporation	DS-Fi2	
Light microscope	Nikon Corporation	ECLIPSE Ni-U	
Shandon™ Finesse™ 325 manual microtome	Thermo Scientific™	A78100001H	

Accu-Cut® SRM™ 200 rotary microtome	Sakura	1429	
Microtome blade S35	FEATHER®	207500000	
Slide staining dish and cover	Brain Research Laboratories	#3215	
Steel staining rack	Brain Research Laboratories	#3003	
Shandon embedding center	Thermo Scientific™	S-EC	
Shandon Citadel® tissue processor	Thermo Scientific™	69800003	
Slide warmer	Lab-Line Instruments	26005	
Water bath	Shandon Capshaw	3964	
Filter paper	Merck	1541-070	
Prism 6.01 for windows	GraphPad Software		Statistic software
ImageJ	National Institutes of Health		
Stainless steel tissue embedding mould	Shenyang Roundfin Trade Co., Ltd	RD-TBM003	For paraffin emedding