

Materials List for:

Visualization of Mitochondrial Respiratory Function using Cytochrome C Oxidase / Succinate Dehydrogenase (COX/SDH) Double-labeling Histochemistry

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Materials

Name	Company	Catalog Number	Comments
Dry Ice	AGA Gas AB	block form	
Isopentane (2-methylbutane)	Sigma-Aldrich	277258 CAS: 78-78-4	
Cyrostat embedding solution	Sakura Finetek	Tissue Tek 4583	
Cryostat	Microm International	Microm Model HM 500M	
Slides	Thermo Fisher Scientific, Inc.	Super Frost Plus Menzel Gläser J1800AMWZ	
Cover glasses Borosilicate glass	VWR international	16004-098	24 x 50 mm
Filter Paper	Munktell Filter AB	Quality: 1350 Article Number: 242 001	430 x 430 mm
3,3'-diaminobenzidine tetrahydrochloride (DAB)	Sigma-Aldrich	Sigma Liquid Substrate System, D7304	
Cytochrome c (Type III, from equine heart)	Sigma-Aldrich	C2506 CAS: 9007-43-6	
Bovine catalase (from liver)	Sigma-Aldrich	C9322 CAS: 9001-05-2	
Nitroblue tetrazolium (NBT)	Sigma-Aldrich	N6876 CAS: 298-83-9	
Sodium succinate	Sigma-Aldrich	S2378 CAS: 6106-21-4	
Phenazine methosulfate (PMS)	Sigma-Aldrich	P9625 CAS: 299-11-6	PMS is light sensitive. Shield from light.
Sodium azide	Sigma-Aldrich	S8032 CAS: 26628-22-8	
Xylene	VWR international	EM-XX0060-4	
Entellan	VWR international	100503-870	
Malonate (Malonic acid)	Sigma-Aldrich	M1296 CAS: 141-82-2	