

Materials List for:

Treating SCA1 Mice with Water-Soluble Compounds to Non-Specifically Boost Mitochondrial Function

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Materials

Name	Company	Catalog Number	Comments
Adenosine diphosphate	Sigma Aldrich	A2754	ADP
Ascorbate	Sigma Aldrich	A7631	
Bovine serum albumin	Sigma Aldrich	A2153	BSA
4',6-Diamidino-2-phenylindole	Sigma Aldrich	D9542	DAPI
Digitonin	Sigma Aldrich	D141	
Dithiothreitol	Sigma Aldrich	D0632	DTT
Donkey serum	Sigma Aldrich	D9663	
Glutamate	Sigma Aldrich	1446600	
Malate	Sigma Aldrich	6994	
Mannitol	Sigma Aldrich	M4125	
Paraformaldehyde	Sigma Aldrich	P6148	
Potassium-lactobionate	Bio-Sugars	69313-67-3	
Rotenone	Sigma Aldrich	R8875	
Saponin	Sigma Aldrich	47036	
Succinic Acid	Sigma Aldrich	S3674	
N,N,N',N'-Tetramethyl-p-phenylenediamine	Sigma Aldrich	T7394	TMPD
Triton X-100	Sigma Aldrich	T9284	
Urea	Sigma Aldrich	U0631	
Vectashield mounting medium	Vector Labs	H-1000	
Antibodies			
11NQ antibody (anti-ataxin-1)			Servadio, <i>et al.</i> 1995, PMID: 7647801
Alexa Fluor 488 anti-mouse secondary antibody	Life Technologies	A-11015	
Alexa Fluor 594 anti-rabbit secondary antibody	Life Technologies	A-11012	
Calbindin antibody (goat)	Santa Cruz	C-20	
Animals			
Control transgenic mice	Harry Orr, Ph.D.	A02	Burright, <i>et al.</i> 1997, PMID: 9217978
SCA1 mice	Harry Orr, Ph.D.	B05	Burright, <i>et al.</i> 1997, PMID: 9217978

Wildtype mice	The Jackson Laboratory	001800	
Equipment			
ESM-100L microtome	ERMA		Sledge microtome
Fluoview FV1200 Confocal Microscope	Olympus		
Glycerol-gelatin slides	FD Neuro Technologies	PO101	
Hamilton syringe	Sigma Aldrich	VCAT 80465	
OXYT1 Oxytherm Electrode Control Unit	Hansatech Instruments		
P.T.F.E. paper	Cole-Parmer	UX-08277-15	
Rotallion Rotarod	PPP&G		contact corresponding author for information
Ultimate 3000 HPLC	Dionex		
Software			
ImageJ	National Institute of Health		http://imagej.nih.gov/ij/
Cell counter plugin (for ImageJ)	National Institute of Health		http://rsb.info.nih.gov/ij/plugins/cell-counter.html
3P&G Rota-Rod v3.3.3 (rotarod software)	PPP&G		contact corresponding author for information
Phidget21.dll (required for rotarod software)	DLL-Files.com		https://www.dll-files.com/phidget21.dll.html