

Materials List for

Behavioral And Physiological Analysis In A Zebrafish Model Of Epilepsy

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Citation

de Calbiac, H., Dabacan, A., Muresan, R., Kabashi, E., Ciura, S. Behavioral And Physiological Analysis In A Zebrafish Model Of Epilepsy. *J. Vis. Exp.* (176), e58837, doi:10.3791/58837 (2021).

Date Published

October 19, 2021

DOI

10.3791/58837

URL

jove.com/video/58837

Materials

Name	Company	Catalog Number	Comments
Agarose	Sigma-Aldrich, France	A9539	
Aquarium salt	Instant Ocean, Blacksburg, VA	SS15-10	
Borosilicate glass with filament	Sutter Instruments	BF100-50-10	OD: 1.5mm, ID: 0.5 mm
CaCl ₂	Sigma-Aldrich, France	C1016	
Depdc5-atg antisense morpholino	GeneTools, OR, USA	N/A	sequence 5'-TGCCTTCATGGTGACCGTCATTTTA-3'
Depdc5-mis antisense morpholino	GeneTools, OR, USA	N/A	sequence 5'-TGCgTTgATcGTGACCcTgATTTTA-3'
Depdc5-splice antisense morpholino	GeneTools, OR, USA	N/A	sequence 5'-ACATTCTGTTCACCATAGATGAT-3'
Digitizer	Molecular Devices, CA, USA	Digidata 1550	
Fast Green Dye	Sigma-Aldrich, France	F7258	Stock solution of 0.2%
Glass-bottom petri dishes	Ibidi, Germany	81218	
Glucose	Sigma-Aldrich, France	68270	
Grasshopper 2 camera	FLIR, BC, Canada	GRAS-03K2M-C	formerly Point Grey Research
HEPES	Sigma-Aldrich, France	H3375	
Human wild-type DEPDC5 cDNA	Dharmacon, France	NM_001242897.1	Accession: BC144291 Clone ID 905
ImageJ software	NIH, USA	N/A	
KCl	Sigma-Aldrich, France	P9333	
Matlab software	MathWorks, MA, USA	N/A	
MgCl ₂	Sigma-Aldrich, France	M2670	
NaCl	Sigma-Aldrich, France	S7653	
NaOH	Sigma-Aldrich, France	71687	
Pancuronium bromide	Alomone Labs	P-130	Stock solution of 60 mM in water

Parafilm	Sigma-Aldrich, France	P7793	
Patch clamp amplifier	Molecular Devices, CA, USA	MultiClamp 700B	Computer-controlled patch clamp amplifier
pClamp10 acquisition software	Molecular Devices	N/A	
Pentylentetrazol (PTZ)	Sigma-Aldrich, France	P6500	Stock solution of 300 mM (dissolved in recording solution)
Pipette puller	Narishige, Japan	PC-10	
Pneumatic PicoPump	WPI, France	PV 820	
Sylgard 184 kit	Sigma-Aldrich Intl.	761036	
Transfer plastic pipettes	Sigma-Aldrich, France	Z350605	
Zebbralab	Viewpoint, France	N/A	