

Materials List for:

A Doxorubicin-induced Cardiomyopathy Model in Adult Zebrafish

Xiao Ma^{1,2,3}, Yonghe Ding^{2,3}, Yong Wang^{2,3,4}, Xiaolei Xu^{1,2,3}

¹Clinical and Translational Sciences Track, Mayo Clinic Graduate School of Biomedical Sciences

²Department of Biochemistry and Molecular Biology, Mayo Clinic

³Division of Cardiovascular Diseases, Mayo Clinic

⁴Institute of Life Science, Beijing University of Chinese Medicine

* These authors contributed equally

Correspondence to: Xiaolei Xu at xu.xiaolei@mayo.edu

URL: <https://www.jove.com/video/57567>

DOI: [doi:10.3791/57567](https://doi.org/10.3791/57567)

Materials

Name	Company	Catalog Number	Comments
Crossing tank	Aquaneering	ZHCT100	Fish breeding
Incubator	ThermoFisher		Maintaining embryo
3 L medium tank	Aquaneering	ZT280	Maintaining fish
Paramecia	Carolina	131560	Food for juvenile fish
Live hatched brine shrimp	in house		Food for adult fish
Doxorubicin hydrochloride	Sigma	D1515-10MG	
1.5 ml safe-lock tube	Eppendorf	No. 022363204	For drug storage
Aluminum foil paper	Fisher	1213104	For preventing light exposure
Proteinase K	Roche	No. 03115887001	For dechorionating embryo
Hank's balanced salt solution (HBBS)	ThermoFisher	14025076	Vehicle for DOX
100 mm petri dish	Falcon	431741	
10 µL NanoFil micro-syringe	WPI	NANOFIL	For injection
34 gauge needle	WPI	NF34BV-2	For injection
Tricaine	Argent	MS-222	Anesthetizing fish
96 well plate	Costar	3539	For embryo drug treatment
Transfer pipette	Bel-art product	F37898	For transferring embryo