

Materials List for

Using Alizarin Red Staining to Detect Chemically Induced Bone Loss in Zebrafish Larvae

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Citation

Ding, J., Yan, R., Wang, L., Yang, Q., Zhang, X., Jing, N., Wei, Y., Zhang, H., An, Y. Using Alizarin Red Staining to Detect Chemically Induced Bone Loss in Zebrafish Larvae. *J. Vis. Exp.* (178), e63251, doi:10.3791/63251 (2021).

Date Published

December 28, 2021

DOI

10.3791/63251

URL

jove.com/video/63251

Materials

Name	Company	Catalog Number	Comments
1 M Tris-HCl (pH=7.5)	Solarbio,Beijing,China	21	for detaining
4% Paraformaldehyde Fix Solution	BBI,Shanghai,China	14	fixing tissues
10x PBS buffer	BBI,Shanghai,China	15	for fixing
35% H ₂ O ₂	Yonghua,Jiangsu,China	8	removing pigment
50 mL Centrifuge tube	AKX,Jiangsu,China	4	
95% Anhydrous ethanol	Enox,Jiangsu,China	2	destaining
Alizarin red (Purity 99.5%)	Solarbio,Beijing,China	1	staining
Biochemical incubator	Yiheng,Shanghai,China	3	raising zebrafish embryos
Electronic scale	Sartorius,Germany	5	weighing the solid raw materials
Glycerin (Purity 99.5%)	BBI,Shanghai,China	7	storing the stained fish
ImageJ (software)	USA	9	digital analysis
KOH (Purity 99.9%)	Sigma,America	10	bleaching solution
Lead acetate trihydrate (Purity 99.5%)	Aladdin,Shanghai,China	11	
MgCl ₂ (Purity 99.9%)	Aladdin,Shanghai,China	12	cleaning solution
NIS-Elements F (software)	Nikon, Japan	13	observing and taking photos
Pipe	AKX, Jiangsu, China	18	removal of embryos and solution
plates (24-well)	Corning,America	17	container for staining embryos
plates (6-well)	Corning,America	16	container for breeding embryos
Shaking table	Beyotime, China	19	mixing the solution
Stereo microscope	Nikon,Japan	20	observing and taking photos
Zebrafish	Zebrafish Experiment Center of Soochow University,Suzhou,China	22	experimental animal