

Materials List for:

Shifting Zebrafish Lethal Skeletal Mutant Penetrance by Progeny Testing

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URL: <https://www.jove.com/video/56200>

DOI: [doi:10.3791/56200](https://doi.org/10.3791/56200)

Materials

Name	Company	Catalog Number	Comments
Paraformaldehyde, pelleted, solid	Ted Pella Co.	18501	Pelleted PFA is a safer alternative to powdered PFA
Magnesium Chloride, solid	Acros Organics	223210010	
10x PBS, Aqueous	Fisher	BP3994	
190 proof Ethanol			
Alcian Blue, solid	Anatech Ltd.	867	Must be from Anatech
Alizarin Red, solid	Sigma	A5533-25G	
Glycerol, liquid	Fisher	BP229 1	
Hydrogen peroxide, liquid	Fisher	BP263500	
Potassium hydroxide, solid	Fisher	P250 500	
StepOnePlus Real-time PCR Machine	Applied Biosystems		
MicroAmp Fast Optical 96-well Reaction Plate with Barcode (0.1 mL)	Applied Biosystems	4346906	
Microseal 'B' seal	BioRad	MSB1001	
KASP Master Mix, High ROX	LGC	KBS-1016-022	https://www.lgcgroup.com/products/kasp-genotyping-chemistry/#.WOPX41UrKUK
KASP By Design Primer Mix	LGC	KBS-2100-100	
Tris HCl, solid	Fisher	BP153 500	
potassium chloride, solid	Fisher	BP366 500	
Tween-20, liquid	Fisher	BP337 100	
Nonidet P40	ThermoFisher	28324	
Tricaine-S	Western Chemicals		
Proteinase K	Fisher	BP1700 100	
T100 Thermal Cycler	BioRad	1861096	
Controlled Drop Pasteur Pipets	Fisher	13-678-30	
Nanodrop	ThermoFisher		for DNA quantitation