

Materials List for

Two-Photon Microscopy for the Study of Tendons

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jove.com/video/65853

Materials

Name	Company	Catalog Number	Comments
0.5 M EDTA pH 8.0	Invitrogen	AM9262	
2 mL microcentrifuge tubes	USA Scientific	1620-2700	
20 mL scintillation vial	Sigma-Aldrich	Z190527-1PAK	
4% Paraformaldehyde	Electron Microscopy Sciences	50-980-487	Use PFA ampoule to create 4% PFA solution
6 mm Biopsy Punch Tool	Ted Pella Inc.	15111-60	
60 x 15 mm petri dish			
BHLHE40 null knockout or heterozygous mice in a Scx-GFP background	The Jackson Laboratory	JAX ID #029732	MGI ID #3717419
Coverslips	Fisher	12-544-F	Can use any coverslip that spans the area of the M20 washer
dPBS	Gibco	14190144	
Draq5	ABCAM	ab108410	
Fine scissors 21 mm cutting edge	Fine Science Tools	14060-10	
FVMPE-RS multiphoton laser scanning microscope	Olympus		
Gelfoam Sterile Sponge Size 50	Pfizer	00009-0323-01	
INSIGHT X3-OL IR pulsed laser	Olympus		
MaiTai HPDS-O IR pulsed laser	Olympus		
Phosphate-Buffered Saline (1x)	Invitrogen	AM9625	Dilute 10x PBS in milli-Q water to get 1x solution
Stainless steel M20 flat washer	McMaster-Carr		
Triton X-100	MP Biomedicals	807426	Dilute Triton X-100 in dPBS to get 1% solution
Vannas spring scissors 4 mm cutting edge	Fine Science Tools	15018-10	
XLPlan N 25X WMP Lens			