

Materials List for:

Measuring the Stiffness of *Ex Vivo* Mouse Aortas Using Atomic Force Microscopy

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Materials

Name	Company	Catalog Number	Comments
BioScope Catalyst AFM system	Bruker		
Nikon Eclipse TE 200 inverted microscope	Nikon Instruments		
Silicon nitride AFM probe	Novascan Technologies	PT.SI02.SN.1	0.06 N/m cantilever; 1 μm SiO ₂ particle
Dumont #5 forceps	Fine Science Tools	11251-10	See section 1.4
Dumont #5SF forceps	Fine Science Tools	11252-00	See section 1.8
Fine Scissors-ToughCut	Fine Science Tools	14058-11	See section 1.4 (medium sized)
Vannas-Tübingen spring scissors	Fine Science Tools	15008-08	See section 1.6 (small sized)
60 mm TC-treated cell culture dish	Corning	353004	
Dulbecco's Phosphate-Buffered Saline, 1x	Corning	21-031-CM	Without calcium and magnesium
Krazy Glue instant all purpose liquid	Krazy Glue	KG58548R	See section 2.2
Gel-loading tips, 1 - 200 μl	Fisher	02-707-139	See section 2.2
Tip Tweezers	Electron Microscopy Sciences	78092-CP	See section 3.2
50-mm, clear wall glass bottom dishes	TED PELLA	14027-20	See section 4.4