

Materials List for:

Using Digital Image Correlation to Characterize Local Strains on Vascular Tissue Specimens

Boran Zhou¹, Suraj Ravindran², Jahid Ferdous², Addis Kidane², Michael A. Sutton², Tarek Shazly^{1,2}

¹Biomedical Engineering Program, University of South Carolina

²Department of Mechanical Engineering, University of South Carolina

Correspondence to: Tarek Shazly at SHAZLY@cec.sc.edu

URL: <https://www.jove.com/video/53625>

DOI: [doi:10.3791/53625](https://doi.org/10.3791/53625)

Materials

Name	Company	Catalog Number	Comments
Uniaxial tensile mechanical tester	Enduratec	3230 AT/HR	
Blue tissue marking dye	http://www.ebay.com/itm/Tissue-Marking-Dye-in-Bottles-2oz-Bottle-1-ea-/201193551510?pt=LH_DefaultDomain_0&hash=item2ed811f696	2ed811f696	
Sprayer	Anest-iwata	CM-B	Custom Micron B
Camera	Point Grey	GS2-GE-50S5M-C	
Lens	Tokina	AT-X M100	
Vascular tissue	Caughman Inc		
0.9% Sodium Chloride Injection PBS	BAXTER HEALTHCARE CORP.		
Vic_snap	Correlated Solutions		
Vic_2D	Correlated Solutions		
Wintest 4.1	Bose ElectroForce		
Tissue adhesive	3M Vetbond	1469SB	
Disinfectant	Fisher Scientific	04-355-13	Decon BDD Bacdown Detergent Disinfectant