

Materials List for:

Biomechanical Characterization of Human Soft Tissues Using Indentation and Tensile Testing

Michelle Griffin¹, Yaami Premakumar², Alexander Seifalian¹, Peter Edward Butler^{1,3}, Matthew Szarko²

¹Division of Surgery & Interventional Science, University College London (UCL)

²Anatomy Department, St Georges University

³Plastic & Reconstructive Surgery Department, Royal Free Hospital

Correspondence to: Michelle Griffin at 12michellegriffin@gmail.com

URL: <https://www.jove.com/video/54872>

DOI: [doi:10.3791/54872](https://doi.org/10.3791/54872)

Materials

Name	Company	Catalog Number	Comments
Digital Vernier Calipers	Machine Mart	40218046	Digital vernier caliper is used to measure sample thickness.
Water Bath	Cole Parmer	UY-12504-94	StableTemp Digital Water Bath Flask Holder used to defrost tissues samples if they are frozen.
Mach-1 Material Testing Machine	Biomomentum	V500c	Mechanical Testing Machine used to test the mechanical properties of the tissues.
Scalpel Blade	VWR	233-5335	Scalpel blades used to cut and dissect the tissues.
Forceps	VWR	470007-554	Forceps used to dissect the tissues.
Phosphate Buffered Saline (PBS) pH 7.2	Life Technologies	20012019	PBS is used to hydrate the tissue samples