

Materials List for:

Manufacturing Abdominal Aorta Hydrogel Tissue-Mimicking Phantoms for Ultrasound Elastography Validation

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Materials

| Name | Company | Catalog Number | Comments |
|--|--|------------------------------------|----------|
| PLA filament | MatterHackers, MatterHackers.com | MEEDKTKU | |
| PVA filament | MatterHackers, MatterHackers.com | M4MJTECR | |
| LeakSeal | RPM International Inc., Rustoleum.com | 265495 | |
| Polyvinyl alcohol powder (Elvanol 71-30) | DowDuPont Inc., ChemistryStore.com | SKU: 81015 | |
| Calcium Carbonate Powder | greenwaybiotech.com via amazon.com | Amazon: B00HFFCBYQ | |
| Tacky Wax | bards.com via amazon.com | Bards: BB759 Amazon: B016KBDYRS | |
| Rostock max 3D Printer | SeeMeCNC, seemecnc.com | SKU: 84459 | |
| Onshape CAD software | OnShape, onshape.com | | |
| Mattercontrol printer software | MatterHackers, MatterHackers.com | | |
| Mikro-Cath pressure catheter and device | Millar, Inc., millar.com | 4501016/B | |
| BNC digital acquisition | National Instruments Corporation, ni.com | NI USB-6251 BNC | |
| clear cast acrylic sheet | mcmaster-carr Supply Company, mcmaster.com | 8560K274 | |
| Cole-Parmer Stopcocks with Luer Connections; 3-way; male lock, Non-sterile | Cole-Parmer, coleparmer.com | EW-30600-02 | |
| BD Disposable Syringes (60 mL, Luer lock) | Cole-Parmer, coleparmer.com | EW-07945-28 | |
| 6 Inch Ratchet Bar Clamp / 12 Inch Spreader | Tekton, Inc., www.tekton.com | 39181 | |
| Tygon PVC Clear Tubing | mcmaster-carr Supply Company, mcmaster.com | 6516T53 | |
| MTS Qtest Q/5 | MTS Systems Corporation, www.mts.com | 4501016 | |
| MTS 5N Load Cell | MTS Systems Corporation, www.mts.com | 4501016/B | |
| Abaqus FEA | Dassault Systèmes, 3ds.com | | |