

Materials List for:

Quantification of Strain in a Porcine Model of Skin Expansion Using Multi-View Stereo and Isogeometric Kinematics

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Materials

Name	Company	Catalog Number	Comments
Yucatan miniature swine	Sinclair Bioresources, Windham, ME	N/A	
Antibiotics	Santa Cruz Animal Health, Paso Robles, CA	sc-362931Rx	Ceftiofur, dosage 5 mg/kg intramuscular
Chlorhexidine-based surgical soap	Cardinal Health, Dublin, OH	AS-4CHGL(4-32)	4% chlorhexidine gluconate surgical hand scrub
Tattoo transfer medium	Hildbrandt Tattoo Supply, Point Roberts, WA	TRANSF	Stencil thermal tattoo transfer paper
Lidocaine with epinephrine	ACE Surgical Supply Co, Brockton, MA	001-1423	Lidocaine Hcl 1% (Xylocaine) - Epinephrine 1:100,000, 20 mL
Buprenorphine	ZooPharm, Windsor, CO		1 mg/mL sustained release, dosage 0.01 mg/kg intramuscular
Digital camera	Sony	Alpha33	Standard digital camera with 18 - 35 mm lens, 3.5 - 5.6 aperture. Used in automatic mode, no flash
Tape measure	Medline, Mundelein, Illinois	NON171330	Retractable tape measure, cloth, plastic case, 72 inches
Tissue expanders	PMT, Chanhassen, MN	03610-06-02	4 cm x 6 cm, rectangular, 120 cc, 3610 series 2 stage tissue expander with standard port
ReCap360	Autodesk	N/A	MVS Software, Web application: recap360.autodesk.com
Blender	Blender Foundation	N/A	Computer Graphics Software, open source: blender.org
SISL	SINTEF	N/A	C++ spline libraries, open source: https://www.sintef.no/projectweb/geometry-toolkits/sisl/