

Materials List for:

Biaxial Basal Tone and Passive Testing of the Murine Reproductive System Using a Pressure Myograph

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Materials

Name	Company	Catalog Number	Comments
2F catheter	Millar	SPR-320	catheter to measure cervical pressure
6-0 Suture	Fine Science Tools	18020-60	larger suture ties
CaCl ₂ (anhydrous)	VWR	97062-590	HBSS concentration: 140 mg/ mL
CaCl ₂ -2H ₂ O	Fischer chemical	BDH9224-1KG	KRB concentration: 3.68 g/L
Dextrose (D-glucose)	VWR	101172-434	HBSS concentration: 1000 mg/mL KRB concentration: 19.8 g/L
Dumont #5/45 Forceps	Fine Science Tools	11251-35	curved forceps
Dumont SS Forceps	Fine Science Tools	11203-25	straight forceps
Eclipse	Nikon	E200	microscope used for imaging
Flow meter	Danish MyoTechnologies	161FM	flow meter within the testing apparatus
Force Transducer - 110P	Danish MyoTechnologies	100079	force transducer
ImageJ	SciJava	ImageJ1	used to measure volume
Instrument Cases	Fine Science Tools	20830-00	casing to hold dissection tools
KCl	Fisher Chemical	97061-566	HBSS concentration: 400 mg/ mL KRB concentration: 3.5 g/L
KH ₂ PO ₄	G-Biosciences	71003-454	HBSS concentration: 60 mg/ mL
MgCl ₂	VWR	97064-150	KRB concentration: 1.14 g/L
MgCl ₂ -6H ₂ O	VWR	BDH9244-500G	HBSS concentration: 100 mg/ mL
MgSO ₄ -7H ₂ O	VWR	97062-134	HBSS concentration: 48 mg/ mL
Mircosoft excel	Microsoft	6278402	program used for spreadsheet
Na ₂ HPO ₄ (dibasic anhydrous)	VWR	97061-588	HBSS concentration: 48 mg/mL KRB concentration: 1.44 g/L
NaCl	VWR	97061-274	HBSS concentration: 8000 mg/mL KRB concentration: 70.1 g/L
NaHCO ₃	VWR	97062-460	HBSS concentration: 350 mg/ mL KRB concentration: 21.0 g/L
Pressure myograph systems	Danish MyoTechnologies	110P and 120CP	Pressure myograph system: program, cannulation device, and controller unit
Pressure Transducer	Danish MyoTechnologies	100106	pressure transducer
Student Dumont #5 Forceps	Fine Science Tools	91150-20	straight forceps
Student Vannas Spring Scissors	Fine Science Tools	91500-09	micro-scissors
Tissue dye	Bradley Products	1101-3	ink to measure in vivo stretch
Ultrasound transducer	FujiFilm Visual Sonics	LZ-550	ultrasound transducer used; 256 elements, 40 MHz center frequency

VEVO2100	FujiFilm Visual Sonics	VS-20035	ultrasound used for imaging
Wagner Scissors	Fine Science Tools	14069-12	larger scissors