

Materials List for:

Ex Vivo Method for Assessing the Mouse Reproductive Tract Spontaneous Motility and a MATLAB-based Uterus Motion Tracking Algorithm for Data Analysis

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Materials

Name	Company	Catalog Number	Comments
Epinephrine hydrochloride	Sigma-Aldrich	E4642	
Dulbecco's PBS	Fisher Scientific	17-512Q	
Ethanol 200 PROOF	Decon Laboratories	2701	
NaCl	Sigma-Aldrich	S7653	
Glucose	Sigma-Aldrich	G7528	
KCl	Sigma-Aldrich	P9333	
CaCl ₂ · 2H ₂ O	Sigma-Aldrich	C5080	
NaH ₂ PO ₄	Sigma-Aldrich	S0751	
MgCl ₂ · 6H ₂ O	Sigma-Aldrich	M9272	
NaHCO ₃	Sigma-Aldrich	S6297	
Isoflurane, USP	Patterson Veterinary	07-893-2374	
Dissecting Extra-Fine-Pointed Precision Splinter Forceps	Fisher Scientific	13-812-42	
Curved Hardened Fine Iris Scissors	Fine Science Tools	14091-09	
Dissection High-performance Modular Stereomicroscope	Leica	MZ6	
Digital 5 Megapixel Color Microscope Camera with active cooling system	Leica	DFC425 C	
Stereomaster Microscope Fiber-Optic Light Sources	Fisher Scientific	12-562-21	
Weigh Boat	Fisher Scientific	WB30304	
Convertors Astound Standard Surgical Gown	Cardinal Health	9515	Small, Medium or Large
Gloves	McKesson Corporation	20-1080	Small, Medium, or Large; powder-free sterile latex or nitrile surgical gloves
Petri Dish	Corning Falcon	351029	100 mm
Petri Dish	Corning Falcon	353001	35 mm
95% O ₂ - 5% CO ₂ gas mixture	Praxair	MM OXCD5-K	
Ear-loop Masks	Valumax International	5430E-PP	
DSLR 24.2 MP Camera	Canon	EOS Rebel T6i	
MATLAB	MathWorks	N/A	version 2019 or later