

Materials List for:

Video Imaging and Spatiotemporal Maps to Analyze Gastrointestinal Motility in Mice

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URL: <https://www.jove.com/video/53828>

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Materials

Name	Company	Catalog Number	Comments
Reagents			
NaCl (MW: 58.44)	Sigma-Aldrich	S7653-250G	
KCl (MW: 74.55)	Sigma-Aldrich	P9333-500G	
NaH ₂ PO ₄ ·2H ₂ O (MW: 156.01)	Chem Supply	471-500G	
MgSO ₄ ·7H ₂ O (MW: 246.48)	Chem Supply	MA048	
CaCl ₂ ·2H ₂ O (MW: 147.02)	Chem Supply	CA033	
D-Glucose anhydrous (MW: 180.16)	Chem Supply	GA018-500G	
NaHCO ₃ (MW: 84.01)	Chem Supply	GA018-500G	
Name	Company	Catalog Number	Comments
Materials			
Two chambered organ bath Dimentions: 14 cm x 8 cm x 3 cm	Custom Made		Contact Laboratory Directly
732 MULTI-PURPOSE SEALANT CLEAR	Dow Corning Australia Pty Ltd	1890573	
SYLGARD 184 SILICONE ELASTOMER KIT	Dow Corning Australia Pty Ltd	1064291	
STOPCOCK 3 WAY FEM-ML L/ LOCK S	Terumo Medical Corporation	0912-2006	
SYRINGES with Luer Lock Tips 50 ml, 20 ml, 10 ml	Terumo Medical Corporation	N/A	
1.57 mm (ID) x 3.16 mm (OD) - Silastic Tubing	Masterflex	508-008	
1.02 mm (ID) x 2.16 mm (OD) - Silastic Tubing	Masterflex	508-005	
1.50 mm (ID) x 2.50 mm (OD) - Silastic Tubing	Masterflex	508-007	
1.60 mm (ID) - Platinum cured silicone tubing	Masterflex	96410 - 14	
4.40 mm (ID) - Platinum cured silicone tubing	Masterflex	96410 - 15	
3.10 mm (ID) - Platinum cured silicone tubing	Masterflex	96410 -16	
Graduated Laboratory Glass Bottles - 500 ml	Thermofisher Scientific	100-400	

CHEMICAL RUBBER STOPPER 57 x 65 mm			
CHEMICAL RUBBER STOPPER 29 mm x 32 mm			
Water heater (thermo regulator)	Ratek	TH7000	
Logitech Webcam	Logitech		
Name	Company	Catalog Number	Comments
Software			
Virtual Dub - 1.9 11	virtualdub.org		
MATLAB R2012a	Graph Pad		
Logitech Webcam Software	Logitech		