

# Laser Ablation and Intravital Microscopy to Study Intestinal Remodeling

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jove.com/video/64756

## Materials

Name	Company	Catalog Number	Comments
Anesthesia induction box	Veterinary Technics		
Autoclave	Certoclav		
Betadine	Mylan	202809	
Diaper (underpad)	Absorin comfort		
Dumont forceps	Fine Scientific Tools	11255-20 or 11272-40	Inox, style #55, used to hold the peritoneum
Enzymatic instrument cleaner	Roboz	EC-1000	
Ethanol 80%	homemade	NA	
Eye ointment	Duratears Z (Alcon)	288/28282-6	
Fine Scissors Straight 9 cm	Fine Scientific Tools	14060-09	Used to cut skin and peritoneum of the mouse
Gauze 5 cmX5 cm	Cutisoft (Bsn medical)	45847-00	
Graefe Forceps Curved Serrated	Fine Scientific Tools	11051-10	Used to hold the skin
Hartman Hemostat Straight	Fine Scientific Tools	13002-10	Used for suturing
Heating pad	Comfort	T5-5000	
Imaging box	Custom made		
Incision film	Nobafilm	172215	
Inverted multi-photon microscope with automated stage	Leica Microsystems	NA	
Isoflurane (vetflurane)	Pharmachemie BV, Haarlem, Netherlands	305788	
Isoflurane vaporizer	Penlon sigma delta		
Micropore paper tape	Micropore		
NaCl 0.9%	Braun		Other brands available
Needle 25G	BD	300600	
Paper tape tesa	Tesa	NA	
Parafilm	Bemis	PM-994	semi-transparent tape

Razor blades	Supermax stainless steel		Other brands available
Rectal probe	Kent Scientific	20250-91	
Rimadyl Cattle (carprofen)	Zoetis B.V	Registration# REG NL 10130	
Student Fine Scissors Straight 11.5 cm	Fine Scientific Tools	91460-11	Used to cut gauze
Surgical instrument cleaner	Roboz	IC-1000	
Surgical instrument lubricant	Roboz	IL-1000	
Syringes (1 ml)	BD	303172	Other brands available
Tamoxifen	Sigma	T5648	
Temgesic (Buprenorphine hydrochloride)	Indivior UK Limited/Reckitt Benckiser Healthcare	Registration# RVG 08725	
Vicryl polyglactin suture 5-0 FS-2 needle	Ethicon	V292ZH	
VirkonS	Bio-services		antiseptic solution
Wooden cotton swab (sterile)	Klinion	531530	Other brands available