

Materials List for

Functional Assessment of Intestinal Permeability and Neutrophil Transepithelial Migration in Mice using a Standardized Intestinal Loop Model

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jove.com/video/62093

Materials

Name	Company	Catalog Number	Comments
Equipment and Material			
BD Alcohol Swabs	BD	326895	
BD PrecisionGlide Needle, 25G X 5/8"	BD	305122	
BD PrecisionGlide Needle, 30G X 1/2"	BD	305106	
BD 1ml Tuberculin Syringe Without Needle	BD	309659	
15ml Centrifuge Tube	Corning	14-959-53A	
Corning 96-Well Solid Black Polystyrene Microplate	FisherScientific	07-200-592	
Corning Non-treated Culture Dish, 10cm	MilliporeSigma	CLS430588	
Cotton Tip Applicator (cotton swab), 6", sterile	FisherScientific	25806 2WC	
Dynarex Cotton Filled Gauze Sponges, Non-Sterile, 2" x 2"	Medex	3249-1	
EZ-7000 anesthesia vaporizer (Classic System, including heating units)	E-Z Systems	EZ-7000	
Falcon Centrifuge Tube 50ml	VWR	21008-940	
Fisherbrand Colored Labeling Tape	FisherScientific	15-901-10R	
Halsey Needle Holder (needle holder)	FST	12001-13	
Kimwipes, small (tissue wipe)	FisherScientific	06-666	
1.7ml Microcentrifuge Tubes	Thomas Scientific	c2170	
Micro Tube 1.3ml Z (serum clot activator tube)	Sarstedt	41.1501.105	
Moria Fine Scissors	FST	14370-22	

5ml Polystyrene Round-Bottom Tube with Cell-Strainer Cap (35 µm nylon mesh)	Falcon	352235	
Puralube Vet Ointment, Sterile Ocular Lubricant	Dechra	12920060	
Ring Forceps (blunt tissue forceps)	FST	11103-09	
Roboz Surgical 4-0 Silk Black Braided, 100 YD	FisherScientific	NC9452680	
Semken Forceps (anatomical forceps)	FST	1108-13	
Sofsilik Nonabsorbable Coated Black Suture Braided Silk Size 3-0, 18", Needle 19mm length 3/8 circle reverse cutting	HenrySchein	SS694	
Student Fine Forceps, Angled	FST	91110-10	
10ml Syringe PP/PE without needle	Millipore Sigma	Z248029	
96 Well Cell Culture Plate	Corning	3799	
Yellow Feeding Tubes for Rodents 20G x 30 mm	Instech	FTP-20-30	
Solutions and Buffers			
Accugene 0.5M EDTA	Lonza	51201	
Ammonium-Chloride-Potassium (ACK) Lysing Buffer	BioWhittaker	10-548E	
Hanks' Balanced Salt Solution	Corning	21-023-CV	
Phosphate-Buffered Saline without Calcium and Magnesium	Corning	21-040-CV	
Reagents			
Alexa Fluor 647 Anti-Mouse Ly-6G Antibody (1A8)	BioLegend	127610	
CD11b Monoclonal Antibody, PE, eBioscience (M1/70)	ThermoFisher	12-0112-81	
CountBright Absolute Counting Beads	Invitrogen	C36950	
Dithiothreitol	FisherScientific	BP172-5	
Fetal Bovine Serum, heat inactivated	R&D Systems	511550	
Fluorescein Isothiocyanate-Dextran, average molecular weight 4.000	Sigma	60842-46-8	
Isoflurane	Halocarbon	12164-002-25	
Leukotriene B ₄	Millipore Sigma	71160-24-2	
PerCP Rat Anti-Mouse CD45 (30-F11)	BD Pharmingen	557235	
Purified Rat Anti-Mouse CD16/CD32 (Mouse BD FC Block)	BD Bioscience	553142	
Recombinant Murine IFN-γ	Peprtech	315-05	
Recombinant Murine TNF-α	Peprtech	315-01A	