

Assessment of Gut Barrier Integrity in Mice Using Fluorescein-Isothiocyanate-Labeled Dextran

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Materials

Name	Company	Catalog Number	Comments
50 ppm Fe Diet (10% Inulin)	Envigo Teklad	TD.190651	Representative Results
50 ppm Fe Diet (FeSO ₄)	Envigo Teklad	TD.190723	Representative Results
BALB/c Mice 49-55 Days, Female	Charles River	028BALB/C	Representative Results
BD 1 mL Syringe Tuberculin Slip Tip	Becton, Dickinson and Company	309659	For gavage
BD Microtainer Tubes - With LH (Lithium Heparin)	Becton, Dickinson and Company	365965	For plasma collection
Centrifuge 5420	Eppendorf	S420KN605698	
Curved Gavage Needle (Gavage Cannula) 7.7.0 38 mm x 22 G	Harvard Apparatus Canada	34-024	No longer available - A potential alternative is available at Instech Labs (FTP-22-38)
Euthanyl (Pentobarbital Sodium) 240 mg/mL	Bimeda-MTC Animal Health Inc.	141704	1/100 dilution; Administered via intraperitoneal injection at 0.03 mL/g body weight
FITC-dextran 4	TdB Labs	20550	
Heparinized Capillary Tubes	Kimble Chase Life Science and Research	2501	For retro-orbital blood collection
Microplate, PS, 96-well, Flat-bottom (Chimney Well), Black, Flutrac, Med. Binding	Greiner Bio-one	655076	
MiniARCO Clipper Kit	Kent Scientific	CL8787-KIT	For hair removal
Optix MX2 and Optix Optiview	Advanced Research Technologies	2.02.00.6	Fluorescence imaging machine and software
Phosphate Buffered Saline 1x (PBS)	Wisent Inc	311-010-LL	
Puralube Vet Ointment	Dechra	12920060	Ophthalmic ointment to prevent eye damage during anesthesia
Spark Multiplate Reader	Tecan	30086376	