

Materials List for

Evaluation and Quantification of Micro Epithelial Gaps in the Colonic Mucosa using Immunofluorescence Staining

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Materials

Name	Company	Catalog Number	Comments
Active Caspase-3 antibody (1:1000)	Cell signaling	9664	Cleaved caspase-3 (Asp175)(5AE1) Rabbit mAb
Alexa Fluor 488 anti rabbit (1:1000)	Invitrogen	A21206	
Alexa Fluor 594 anti rat (1:1000)	Invitrogen	A21209	
Confocal microscope (Leica TCS SP8x)	Leica		HyD detectors and White Light Laser
E-Cadherin antibody (1:750)	Sigma	MABT26	Rat monoclonal Delma-1 antibody
Ethanol 70%	Generic		
Fixable-Dextran	Invitrogen	D22914	Dextran, Alexa Fluor, 10,000 MW, anionic, fixable
FITC Dextran	Sigma	46944	Fluorescein isothiocyanate-dextran M. Wt. 4 kDa
Hartmann's Solution	PiSA	HT PiSA	
Incubator (AutoFlow NU-8500)	Nuaire		
Microplate reader (Tecan Infinite 200 PRO)	Tecan		
Nunc F96 MicroWell Black and White Polystyrene Plate	ThermoFisher Scientific		
Paraformaldehyde	Sigma	P6148	
Phalloidin (1:1000)	Invitrogen	A12380	Alexa Fluor 568 Phalloidin
RITC Dextran	Sigma	R8881-100MG	Rhodamine B Isothiocyanate-Dextran. M. Wt. 10 kDa
Secondary antibodies (1:10000)	Jackson ImmunoResearch Laboratories		HRP-conjugated secondary antibodies

Suture threads	Generic		Braided silk and braided polyester surgical sutures are preferred.
ZO-1 (1:1000)	Invitrogen	40-2200	Rb anti-ZO-1