

Materials List for:

The *Ex Vivo* Colon Organ Culture and Its Use in Antimicrobial Host Defense Studies

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Materials

Name	Company	Catalog Number	Comments
Advanced DMEM/ F12	Life Technologies	12634-010	
Dulbecco's phosphate buffered saline, modified, w/o Calcium chloride & Magnesium chloride	Sigma	5634	
FBS, heat inactivated	Sigma	F4135	
Penicillin-Streptomycin	Life Technologies	15070063	
Gentamicin solution	Sigma	G1272	
Mouse IL-1b recombinan	Reprokine	RKP10749	
Mouse IL-18 recombinant	Reprokine	RKP70380	
TRlzol Reagent	Thermo Fisher Scientific	15596018	
Difco Luria-Bertani Broth	BD Bioscience	244620	
BD Difco Dehydrated Culture Media: MacConkey Agar	Fisher Scientific	DF0075-17-1	
NanoDrop 1000 Spectrophotometer	Thermo Scientific		Uded to measure RNA concentration
UV/Vis Spectrophotometer	BECKMAN	DU 530	Used to determine E. coli count
iScript RT Supermix, 100 rxns	Bio-Rad	1708841	
iTaq Univer SYBR Green Supermix	Bio-Rad	1725125	
Lysing Matrix S (1/8"), 2 ml Tube	MP Biomedicals	116925500	Used to homgenize colon organ for RNA isolation
FastPrep-24 5G System	Bio-Rad	116005500	
100 mm x 15 mm Petri Dish	Falcon	5687	
Plate 6 well ps TC CS100, Cellstar, 6w, tc, F-bottom (Flat), w/lid, sterile	Cellstar	5085	
100 µm cell strainer	Falcon	5698	
Sorvall Legend Micro 21R Centrifuge	Thermo Fisher Scientific		
Sorvall ST40R Centrifuge	Thermo Fisher Scientific		
Forma Scientific orbital shaker	Thermo Fisher Scientific		