

Materials List for:

A Co-culture Method to Investigate the Crosstalk Between X-ray Irradiated Caco-2 Cells and PBMC

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Materials

Name	Company	Catalog Number	Comments
ThinCert 6 Well Cell Culture Inserts for Multiwell Plates	Greiner Bio-one	657610	Equipment
Cell Culture Multiwell Plate, 6 Well	Greiner Bio-one	657160	Plastic
Cell Culture Multiwell Plate, 24 Well	Greiner Bio-one	662160	Plastic
RPMI 1640 without L-Glutamine	Lonza	12-167F	Reagents
Foetal Bovine Serum	Lonza	DE14-801	Reagents
L-Glutamine 200 mM	Lonza	17-605C	Reagents
Penicillin/Streptomycin 10K/10K	Lonza	17-602E	Reagents
CO ₂ Incubator	Heal Force	HF240	Equipment
Ficoll Histopaque-1077	Sigma-Aldrich	10771	Reagents
Tube, 50 mL, PP, Conical Bottom	Greiner Bio-one	227261	Plastic
Tube, 15 mL, PP, Conical Bottom	Greiner Bio-one	188261	Plastic
Centrifuge	ThermoScientific	CL31R	Equipment
Phosphate Buffered Saline (PBS)	Sigma-Aldrich	P3813	Reagents
Cell Culture Flask, 25 cm ² , PS	Greiner Bio-one	690175	Plastic
Clinac 2100 Linear Accelerator	Varian	CLINAC 2100C/D	Equipment
3-(4,5-dimethylthiazol-2-yl)-2,5- diphenyltetrazolium bromide (MTT)	Sigma-Aldrich	M5655	Reagents
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D8418	Reagents
Multiwell Plate Reader	GDV	DV990BV6	Equipment
Trypan Blue Solution 0,4 %	Amresco	K940	Reagents
Trypsin-EDTA Solution	Sigma-Aldrich	T4049	Reagents
1.5 mL tubes	Eppendorf	0030125150	Reagents
Millicell-ERS voltmeter/ohmmeter	Millipore	MERS 00001	Equipment
Cell Lysis Buffer (10x)	Cell Signalling Technology	#9803	Reagents
Bürker Hemocytometer	Sigma-Aldrich	BR719520	Equipment
BCA Protein Quantification Kit	Abcam	ab102536	Reagents
2x Laemmli Sample Buffer	BioRad	#1610737	Reagents
2-Mercaptoethanol	BioRad	#1610710	Reagents
Accublock Digital Dry Bath	Labnet International Inc.	D1100	Equipment

4–20% Mini-PROTEAN TGX Stain-Free Protein Gels, 10 well, 30 µL	BioRad	#4568093	Reagents
Mini-PROTEAN Tetra Vertical Electrophoresis Cell for Mini Precast Gels, 4-gel	BioRad	#1658004	Equipment
PowerPac HC High-Current Power Supply	BioRad	#1645052	Equipment
Precision Plus Protein WesternC Blotting Standards	BioRad	#1610385	Reagents
10x Tris/Glycine/SDS Running Buffer	BioRad	#1610732	Reagents
Trans-Blot Turbo Mini PVDF Transfer Packs	BioRad	#1704156	Reagents
Trans-Blot Turbo Transfer System	BioRad	#1704150	Equipment
Blotting-Grade Blocker	BioRad	#1706404	Reagents
Tween-20	Sigma-Aldrich	93773	Reagents
Claudin-1 (D5H1D) XP Rabbit mAb	Cell Signalling Technology	#13255	Reagents
Bovine Serum Albumine	Sigma-Aldrich	A7906	Reagents
ZO-1 (D7D12) Rabbit mAb	Cell Signalling Technology	#8193	Reagents
ZO-2 Antibody	Cell Signalling Technology	#2847	Reagents
Afadin (D1Y3Z) Rabbit mAb	Cell Signalling Technology	#13531	Reagents
Anti-Occludin Antibody	Millipore	ABT146	Reagents
Anti-NF-κB p65 antibody [E379]	Abcam	ab32536	Reagents
Anti-XIAP antibody	Abcam	ab21278	Reagents
Amersham ECL Mouse IgG, HRP-linked whole Ab (from sheep)	GE Healthcare Life Sciences	NA931V	Reagents
Amersham ECL Rabbit IgG, HRP-linked whole Ab (from donkey)	GE Healthcare Life Sciences	NA934V	Reagents
Clarity Western ECL Substrate, 200 mL	BioRad	#1705060	Reagents
Carestream Kodak autoradiography GBX developer/replenisher	Sigma-Aldrich	P7042	Reagents
Carestream Kodak autoradiography GBX fixer/replenisher	Sigma-Aldrich	P7167	Reagents
Carestream Kodak BioMax light film	Sigma-Aldrich	Z370401	Reagents
Gel Doc EZ System	BioRad	#1708270	Equipment