

Materials List for:

3D Organotypic Co-culture Model Supporting Medullary Thymic Epithelial Cell Proliferation, Differentiation and Promiscuous Gene Expression

Sheena Pinto^{*1}, Hans-Jürgen Stark^{*2}, Iris Martin², Petra Boukamp², Bruno Kyewski¹

¹Division of Developmental Immunology, German Cancer Research Center (DKFZ)

²Genetics of Skin Carcinogenesis, German Cancer Research Center (DKFZ)

*These authors contributed equally

Correspondence to: Sheena Pinto at s.pinto@dkfz.de, Hans-Jürgen Stark at hj.stark@dkfz-heidelberg.de

URL: <https://www.jove.com/video/52614>

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Materials

Name	Company	Catalog Number	Comments
Pregnant C57BL/6 mice	Charles River WIGA		
LS columns	Miltenyi Biotec	130-042-401	
MS columns	Miltenyi Biotec	130-042-201	
CD45 Microbeads, mouse	Miltenyi Biotec	130-052-301	
Anti-PE Microbeads	Miltenyi Biotec	130-048-801	
Streptavidin Microbeads	Miltenyi Biotec	130-048-101	
EpCAM (G8.8 -Alexa 647 and -biotin)	Ref. 12		
CD80-PE antibody	BD Pharmingen	553769	
CD45-PerCP antibody	BD Pharmingen	557235	
Ly51-FITC antibody	BD Pharmingen	553160	
CDR1-Pacific Blue	Ref. 15		
Keratin 14 antibody	Covance	PRB-155P	
Vimentin antibody	Progen	GP58	
Cy3-conjugated AffiniPure Goat anti-Rabbit IgG (H+L)	Jackson ImmunoResearch	111-165-003	
Alexa 488-conjugated AffiniPure F(ab') ₂ Fragment Goat anti-Guinea Pig IgG (H+L)	Jackson ImmunoResearch	106-546-003	
Goat anti-Rabbit IgG (H+L) Secondary Antibody, Alexa Fluor 488 conjugate	Molecular Probes (Invitrogen GmbH)	A-11008	
Click-iT EdU Alexa Fluor 594 Imaging Kit	Invitrogen	C10339	
Click-iT EdU Alexa Fluor 488 Flow Cytometry Assay Kit	Invitrogen	C10425	
12-well filter inserts (thincerts)	Greiner bio-one	657631	
12-well plate	Greiner	665180-01	
Jettex 2005/45	ORSA, Giorla Minore, Italy		
Fibrinogen TISSUECOL-Kit Immuno	Baxter		
Thrombin TISSUECOL-Kit Immuno	Baxter		
PBS	Serva	47302.03	
DMEM	Lonza	BE12-604F	
DMEM/F12	Lonza	BE12-719F	

HEPES	Gibco	15630-049	
FBS Gold	GE Healthcare	A11-151	
Aprotinin (Trasylol)	Bayer	4032037	
Cholera toxin	Biomol	G117	
Hydrocortisone	Seromed (Biochrom)	K3520	
L-ascorbic acid	Sigma	A4034	
TGF- β 1	Invitrogen	PHG9214	
RANKL	R&D systems	462-TR-010	
Thermolysin	Sigma Aldrich	T-7902	
OCT Compound	TissueTek	4583	
Trizol (aka. Denaturing solution - Acid guanidinium thiocyanate-phenol-chloroform extraction)	Invitrogen	10296028	
FastPrep FP120	Thermo Scientific		
Collagenase Type IV	CellSystems	LS004189	0.2 mg/ml and 57U/ml final conc.
Neutrale Protease (Dispase)	CellSystems	LS002104	0.2 mg/ml and 1.2U/ml final conc.
DNase I	Roche	11 284 932 001	25 μ g/ml final conc.