

Materials List for:

Quantitative Multispectral Analysis Following Fluorescent Tissue Transplant for Visualization of Cell Origins, Types, and Interactions

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Materials

Name	Company	Catalog Number	Comments
.2 µm filter	Fisher	09-740-35A	
10 ml lure lock	BD	309604	
25 G needle	Cardinal	BF305122	
40nm filter	BD	352340	
50 ml conical tube	Fisher	1495949A	
Alexafluor 488-ms1	invitrogen	A21121	
Alexafluor 594-Rb	invitrogen	A21207	
Alexafluor 647-ch	Invitrogen	A21449	
BSA	Sigma	A7906-500G	
Cover slips	Corning	2940-243	
CRI-Nuance	Caliper Life Sciences		
Dapi	Invitrogen	D1306	
DMEM	CellGro	10-017-CV	
Ethanol	Dharmacon	4004-DV	
FBS	invitrogen	16000-044	
GFP-ms1	Abcam	ab38689	
Insulin needle	BD	329424	
Maleic acid	Acros	100-16-7	
Moisture chamber box	Evergreen	240-9020-Z10	
Mounting media	dako	S3023	
Nail hardener	Sally Hansen	2103	
Pap pen	Abcam	Ab2601	
Pen/Strep L Glut	invitrogen	10378016	
Steril PBS	invitrogen	14040-182	
Trypsin	invitrogen	252000-56	

Blocking Buffer

maleic acid	14.51 g
NaCl	10.95 g
NaOH pellets (to 7.5pH)	9+g
Distilled water	250 ml

*add 0.2% Tween-20 to 1x solution for blocking buffer with 2%BSA/2%FBS. Stir and filter.

Antigen retrieval buffers:

Tris-EDTA Buffer (10 mM Tris Base, 1 mM EDTA Solution, 0.05% Tween 20, pH 9.0)	
Tris Base	1.21 g
EDTA	0.37 g
Distilled water	1000 ml (100 ml to make 10x, 50 ml to make 20x)
Tween 20	0.5 ml
*Store at RT for 3 months or at 4 ° C for longer	
Sodium Citrate Buffer (10 mM Sodium Citrate, 0.05% Tween 20, pH 6.0)	
Tri-sodium citrate (dihydrate)	2.94 g
Distilled water	1000 ml
HCl (adjust pH to 6.0)	1N
Tween 20	0.5 ml