

Materials List for:

Isolation of Myofibroblasts from Mouse and Human Esophagus

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Materials

Name	Company	Catalog Number	Comments
Tissue culture reagents			
HBSS	Sigma Aldrich	H6648	
Dispase	GIBCO, Invitrogen	17105-041	
Collagenase XI	Sigma-Aldrich	C9407	
DMEM	GIBCO, Invitrogen	11965-092	
Sorbitol	Sigma-Aldrich	S1876	
FBS	Sigma-Aldrich	F42442	
Transferrin	Roche	10-652-202-001	
trypsin/EDTA	Corning	25-052-CI	
Epidermal growth factor	Sigma-Aldrich	E9644	
Reagents for immunostaining			
Goat serum	Sigma Aldrich	G9023	
Mouse mAB to α -SMA	abcam	ab7817	
Rabbit pAB to vimentin	abcam	ab45939	
Cy2 conjugated Goat anti Rabbit	Jackson ImmunoResearch	111-225-144	
DAPI	Sigma-Aldrich	D8417	
CD31 conjugated to eFluor 450	eBioscience	48-0319-41	
CD90 conjugated to APC	eBioscience	17-0909-41	
Annexin V and 7AAD	BD Pharmigen	559763	
Mouse Fc block for CD16/CD32	BD Pharmigen	2136662	
Equipment			
5 ml tube	Eppendorf	30108310	
Inverted microscope	Motic	AE31	
Biosafety cabinet and incubators	Nuaire		http://www.nuaire.com/products/
4-well chamber slides	Thermo Scientific	177437	
Refrigerated centrifuge	Eppendorf	5810R	
Olympus Vacuum-Driven Filter System	Genesee Scientific	25-227	
Fluorescent microscope	Nikon	Eclipse TE300	
6-well plates	Corning	3516	
T25 Flasks	TRP	90026	
T75 Flasks	Corning	43064	
Dissection scissors			
Dissection forceps			
Single tipped Q-Tips	Kendall	540500	

Software			
Metamorph software (Molecular Devices)	Molecular Devices		
FACSCalibur	BD Bioscience		
FACSVerse	BD Bioscience		