

Materials List for:

Isolation and Quantitative Immunocytochemical Characterization of Primary Myogenic Cells and Fibroblasts from Human Skeletal Muscle

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Materials

Name	Company	Catalog Number	Comments
Collagenase D	Roche	11088866001	
Dispase II	Sigma	D4693-1G	Must be filter sterilized before use
Trypsin/EDTA	(Gibco) Invitrogen	15400-054	
100 µm cell strainer	BD Biosciences	352360	
Collagen solution (3 mg/ml in 0.1% acetic acid)	Sigma, Dorset, UK	C8919	
Minisart SRP15 syringe filter (0.2 µm)	Sartorius	17573ACK	Polytetrafluorethylene (PTFE) membrane
CD56 human Microbeads	Miltenyi Biotech	130-050-401	Be aware of the limited shelf life of microbeads
Anti- fibroblast Microbeads, human	Miltenyi Biotech	130-050-601	
40 µm Pre-separation filters	Miltenyi Biotech	130-041-407	
Large Cell Columns	Miltenyi Biotech	130-042-202	These columns come with a flow resistor. Use of the flow resistor is not necessary to obtain the high myogenic purities described here.
LS columns	Miltenyi Biotech	130-042-401	
MiniMacs Separator	Miltenyi Biotech	130-042-102	This separator fits the large cell column but not the LS column.
MidiMACS	Miltenyi Biotech	130-042-302	
MACS multistand	Miltenyi Biotech	130-042-303	
BSA	Sigma		Must be filter sterilized before use
Oil Red O	Sigma	O0625	
Triethyl phosphate	Sigma	538728	
Whatman Paper	Sigma	Z241121-1PAK	No. 42, Ashless. To prepare the filter fold the circular filter paper to make a semi circle, then fold the semi-circle in half again to form a cone shape. Fit the cone into a funnel for filtering.
ProLong Gold Antifade Reagent	Molecular Probes, Invitrogen	P36930	This can be purchased with or without DAPI and does not quench initial fluorescence.
AxioVision	Carl Zeiss	Contact Zeiss	
Adobe Photoshop CS5 Extended	Adobe (purchased from Pugh Computers)	ADPH16982*	