

Materials List for:

Isolation of Human Myoblasts, Assessment of Myogenic Differentiation, and Store-operated Calcium Entry Measurement

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Materials

Name	Company	Catalog Number	Comments
Ham's F10	ThermoFisher Scientific	31550-023	
FCS	ThermoFisher Scientific	10270-106	Lot 41G5532K
BSA	Sigma	O5482	
fetuin	Sigma	F3385	
EGF	Corning	354001	
Dexamethasone	Sigma	D1756	
Insulin	Sigma	I9278	
Creatine	Sigma	27900	
Pyruvate	Sigma	P4562	
Uridine	Sigma	U3003	
Gentamycin	ThermoFisher Scientific	15710-049	
Trypsin-EDTA 0.05%	ThermoFisher Scientific	25300-062	
70 µm cell strainer	Falcon	352350	
40 µm cell strainer	Falcon	352340	
Falcon 50 mL tube	Falcon	352070	
Falcon 15 mL tube	Falcon	352096	
Falcon 5 mL tube (FACS)	Falcon	352058	
Culture medium: OPTI-MEM	ThermoFisher Scientific	31985-047	
Transfectant reagent: RNAiMax	ThermoFisher Scientific	1756064	
PBS	ThermoFisher Scientific	14190-094	
Mounting medium	Fluka	10981	
Mouse anti-MyHC *	DSHB	MF20	concentrate
Mouse anti-myogenin	BD Pharmingen	556358	
Rabbit anti-MEF2	Santa Cruz Biotech	C-21	
Goat anti-mouse Alexa488	ThermoFisher Scientific	A11029	
Goat anti-rabbit Alexa 546	ThermoFisher Scientific	A11035	
Mouse anti human CD56-Alexa488	BD Pharmingen	557699	
Mouse anti human CD146-PECy7	BD Pharmingen	562135	
Mouse anti human CD45-PE-CF594	BD Pharmingen	562279	
Mouse anti human CD34-APC	BD Pharmingen	345804	
Mouse anti human CD144-PE	BD Pharmingen	560410	

Alexa Fluor 488 mouse IgG1k	BD Pharmingen	557702	
PECy7 mouse IgG1k	BD Pharmingen	557872	
PE-CF594 mouse IgG1k	BD Pharmingen	562292	
APC mouse IgG1k	BD Pharmingen	550854	
PE mouse IgG1k	BD Pharmingen	556650	
DAPI	Sigma	D9542	CAUTION: toxic compound
Paraformaldehyde	Fluka	762400	
Fura-2 AM	ThermoFisher Scientific	F1201	
Pluronic F-127	ThermoFisher Scientific	P3000MP	
Thapsigargin	Sigma	T9033	CAUTION : toxic compound
Ratio imaging acquisition software: Metafluor 6.3	Molecular Device		
* : MF 20 was deposited to the DSHB by Fischman, D.A.			