

Materials List for

Identification, Isolation, and Characterization of Fibro-Adipogenic Progenitors (FAPs) and Myogenic Progenitors (MPs) in Skeletal Muscle in the Rat

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Materials

Name	Company	Catalog Number	Comments
5 mL Polypropylene Round-Bottom Tube	Falcon	352063	
5 mL Polystyrene Round-Bottom Tube with Cell-Strainer Cap	Falcon	352235	
10 cm cell culture dishes	Sarstedt	83.3902	
12-well cell culture plate	ThermoFisher	130185	
12 mm glass coverslips, No.2	VWR	89015-724	
10 mL Syringe	Beckton Dickinson	302995	
15 mL centrifuge tubes	FroggaBio	91014	
20 gauge needle	Beckton Dickinson	305176	
25mL Serological pipette	Sarstedt	86.1685.001	
40µm cell strainer	Fisher Scientific	22363547	
50mL centrifuge tubes	FroggaBio	TB50	
AbC Total Antibody Compensation Beads	ThermoFisher	A10497	
Ammonium Chloride, Reagent Grade	Bioshop	AMC303.500	
APC Conjugation Kit, 50-100µg	Biotium	92307	
Aquatex Aqueous Mounting Medium	Merck	108562	
Biolaminin 411 LN	Biolamina	LN411	
Bovine Serum Albumin (BSA)	Bioshop	ALB001	
Calcium Chloride	Bioshop	CCL444.500	
Collagenase Type II	Gibco	17101015	
CountBright Plus Absolute Counting Beads	ThermoFisher	C36995	
Dexamethasone	Millipore Sigma	D4902	

Dispase	Gibco	17105041	
Dulbecco's Modified Eagle Medium (DMEM) (1X)	Gibco	11995-065	(+)4.5 g/L D-Glucose (+)L-Glutamine (+)110 mg/L Sodium Pyruvate
EDTA	FisherScientific	S311	
FACSClean Solution	Beckton Dickenson	340345	
FACSDiva Software	Beckton Dickenson	--	
FACSRinse Solution	Beckton Dickenson	340346	
Fetal Bovine Serum	Sigma	F1051	
Flow Cytometry Sheath Fluid	Beckton Dickenson	342003	
FlowJo Software	Beckton Dickenson	--	
Fluorescent Mounting Medium	Dako	S302380-2	
Goat anti-mouse Alexa Fluor 555 secondary antibody	Invitrogen	A21424	
Goat anti-rabbit Alexa Fluor 488 secondary antibody	Invitrogen	A11008	
Goat anti-rabbit Alexa Fluor 555 secondary antibody	Invitrogen	A21429	
Goat Serum	Gibco	16210-064	
Ham's F10 Media	ThermoFisher	11550043	(+) Phenol Red (+) L-Glutamine (-) HEPES
Hank's Balanced Salt Solution (HBSS) (1X)	Multicell	311-513-CL	
Heat Inactivated Horse Serum	Gibco	26050-088	
Hemocytometer	Reichert	N/A	
HEPES, minimum 99.5% titration	Sigma	H3375	
Horse Serum	ThermoFisher	16050130	
Human Transforming Growth Factor β 1 (hTGF- β 1)	Cell Signaling	8915LF	
Humulin R	Lilly	HI0210	
IBMX	Millipore Sigma	I5879	Also known as 3-Isobutyl-1-methylxanthine
Isopropanol	Sigma	I9516	Also known as 2-propanol
Lewis Rat, Female	Charles River Kingston	004 (Strain Code)	200-250 grams used
LSRFortessa X-20 Benchtop Cytometer	Beckton Dickenson	--	
Microcentrifuge	Eppendorf	EP-5417R	
MoFlo XDP Cell Sorter	Beckman Coulter	--	
Mouse Anti-CD31::FITC Antibody	Abcam	ab33858	Clone TLD-3A12
Mouse Anti-CD45::FITC Antibody	Biolegend	202205	Clone OX-1
Mouse Anti-CD106::PE Antibody	Biolegend	200403	Also known as VCAM-1
Mouse Anti-MHC Antibody	Developmental Studies Hybridoma Bank (DSHB)	N/A	Also known as MF20
Mouse Anti-Pax7 Antibody	Developmental Studies Hybridoma Bank (DSHB)	N/A	
Neutral Buffered Formalin, 10 %	Sigma	HT501128	
Oil Red O	Millipore Sigma	O0625	
PE-Cy7 Conjugation Kit	Abcam	ab102903	
Penicillin-Streptomycin	Sigma	P4333	
Phosphate Buffered Saline, pH 7.4 (1X)	Gibco	10010-023	(-)Calcium Chloride (-)Magnesium Chloride

Potassium Bicarbonate, Reagent Grade	Bioshop	PBC401.250	
Rabbit Anti-Fibroblast Specific Protein 1 (FSP-1) Antibody	Invitrogen	MA5-32347	FSP-1 also known as S100A4
Rabbit Anti-Integrin- α 7 Antibody	Abcam	ab203254	
Rabbit Anti-Laminin Antibody	Sigma	L9393	
Rabbit Anti-Perilipin-1 Antibody	Abcam	ab3526	
Rabbit Anti-Sca-1 Antibody	Millipore Sigma	AB4336	
Rabbit Recombinant Anti-Collagen Type I Antibody	Abcam	ab260043	Also known as Col1a1
Rabbit Recombinant Anti-PDGFR Alpha Antibody	Abcam	ab203491	
Recombinant Human FGF-basic	Gibco	PHG0266	
Sodium Azide	Sigma	S2002	
Triton-X-100	Fisher Scientific	BP151	
Troglitazone	Millipore Sigma	T2573	
Tween-20	Bioshop	TWN510	