

Isolation of Preadipocytes from Broiler Chick Embryos

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Materials

Name	Company	Catalog Number	Comments
1 mL Pipette	Eppendorf	Z683825	Single Channel Pipette, 100 - 1000 μ L
1 mL Pipette Tip	Fisher Scientific	02-707-402	
100% Isopropanol	Fisher Scientific	A426P4	
1x PBS	Gibco	10010023	
25 mL Flask	Pyrex	4980-25	
37% Formaldehyde	Fisher Scientific	F75P-1GAL	
6-Well Plate	Falcon	353046	Tissue Culture-treated
96-Well Assay Plate	Costar	3632	
96-Well Plate, Black Bottom	Costar	3603	Tissue Culture-treated
AdipoRed	Lonza	PT-7009	
Amphotericin B	Gibco	15290026	
Bench Top Wiper (Kimtechwiper)	Kimberly-Clark	34155	
Betadine	Up & Up	NDC 1167300334	20% Working Solution
Cell Counter	Corning	6749	
Cell Strainer, 40 μ m	SPL	93040	
Centrifugaton	Eppendorf	5702	
Chicken Serum	Gibco	16110082	
Conical Centrifuge Tubes, 15 mL	VWR	10025-690	
Conical Centrifuge Tubes, 50 mL	Falcon	352098	
Cryovial	Nunc	343958	
Curved Forceps, 100 mm	Roboz Surgical	RS-5137	
Curved Surgical Scissors, 115 mm	Roboz Surgical	RS-6839	
Distilled Water	Millipore	SYNSV0000	Dispensed as needed
DMEM/F12	HyClone	SH30023.01	
DMSO	Sigma	D2650	
Ethanol	Decon Labs	2701	70% Working Solution
Fetal Bovine Serum (FBS)	Gibco	10437028	
Fluorescent Microscope	EVOS	M7000	
Fluorescent Plate Reader	Biotek	Synergy H1	

Foil	Reynolds		Reynolds Wrap Heavy Duty Aluminum Foil, 125 SQ. FT.
Freezing Container	Thermo Scientific	5100-0001	
Gelatin	Millipore	4055	2% Working Solution
Hemocytometer (Counting Chamber)	Corning	480200	0.1 mm deep
Incubator	Fisher Scientific	6845	
Instrument Sterilizer	VWR	B1205	
Linoleic Acid-Oleic Acid-Albumin	Sigma	L9655	1x Working Solution
Microscope	Evos	AMEX1000	
Multi-Channel Pipette	Thermo Scientific	4661070	12-Channel Pipettors, 30 - 300 μ L
Na ₂ HPO ₄	Sigma	S-7907	
NaH ₂ PO ₄	Sigma	S-3139	
NucBlue	Invitrogen	R37605	
Oil Red O	Sigma	O-0625	
Orbital Shaker	IKA	KS130BS1	
Paper Towel	Tork	RK8002	
Parafilm	Parafilm M	PM996	
Penicillin/Streptomycin (P/S)	Gibco	15140122	1x Working Solution
Petri dishes, 100 mm	Falcon	351029	
Petri dishes, 60 mm	Falcon	351007	
Plate Shaker	VWR	200	
RBC Lysis Buffer	Roche	11814389001	
Reagent Reservoir	VWR	89094-680	
Small Beaker, 100 mL	Pyrex	1000-100	
Spectrophotometer Plate Reader	Biotek	Synergy H1	
Sterile Gauze	McKesson	762703	
Straight Forceps, 120 mm	Roboz Surgical	RS-4960	
Straight Scissors, 140 mm	Roboz Surgical	RS-6762	
T-25 Flask	Corning	430639	Tissue Culture-treated
Tissue Culture Incubator	Thermo Scientific	50144906	
Tissue Strainer, 250 μ m	Pierce	87791	
Trypan Blue Stain	Gibco	15250061	
Trypsin	Gibco	15400054	0.1% Working Solution
Tweezers, 110 mm	Roboz Surgical	RS-5035	
Type 1 Collagenase	Gibco	17100017	
Water Bath	Fisher Scientific	15-462-10	
Whatman Grade 1 Filter Paper	Whatman	1001-110	