

Materials List for:

Culture of Murine Embryonic Metatarsals: A Physiological Model of Endochondral Ossification

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Materials

Name	Company	Catalog Number	Comments
Dissection scissors	World Precision Instruments	14393	Autoclave sterilise before use
Dumont #5 tweezers	World Precision Instruments	500342	Autoclave sterilise before use
Dumont #4 tweezers	World Precision Instruments	500339	Autoclave sterilise before use
SuperFine Vannas scissors	World Precision Instruments	501778	
Absolute ethanol	Fisher Scientific	E/0650DF/17	Dilute to 70% v/v in dH ₂ O
α-MEM without nucleosides	Thermo Fischer Scientific	22561021	
Bovine serum albumin	Sigma Aldrich	A3059	
Syringe filters (0.22 μm) 33 mm diameter	Merck Millipore	SLGP033RS	
Phosphocholine chloride calcium salt tetrahydrate	Sigma Aldrich	P0378	Add directly to the media prior to experimentation
L-ascorbic acid-2-phosphate	Sigma Aldrich	A8960	Make up stock solution at 5mg/ml and aliquot at -20 °C
Calcium chloride dihydrate	Sigma Aldrich	C5080	Make up stock solution at 150mM and aliquot at -20 °C
β-glycerophosphate disodium salt hydrate	Sigma Aldrich	G9422	Make up stock solution at 1mM and aliquot at -20 °C
Gentamicin	Thermo Fischer Scientific	15710049	
Amphotericin B	Thermo Fischer Scientific	15290018	
Nunc cell-culture treated 24-well plates	Thermo Fischer Scientific	142475	
Polybrene	Sigma Aldrich	H9268	
DAPI	Thermo Fischer Scientific	D3571	