

Materials List for:

Application of Retinoic Acid to Obtain Osteocytes Cultures from Primary Mouse Osteoblasts

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Materials

Name	Company	Catalog Number	Comments
Collagenase P	Roche Applied Science	11213857001	
Trypsin	Gibco, Life Technologies	15400054	
HBSS	Gibco, Life Technologies	14175129	Pre-warm at 37 °C before use
Alpha-MEM	Invitrogen, Life Technologies	22571038	Pre-warm at 37 °C before use
FBS	Sigma-Aldrich	F4135	
Streptomycin/Penicillin	Sigma-Aldrich	P4333	
Ascorbic acid	Sigma-Aldrich	A4403	
Glycerol 2-phosphate disodium salt hydrate	Sigma-Aldrich	G9422	
ATRA	Sigma-Aldrich	R2625	Protect ATRA from light
Paraformaldehyde	Sigma-Aldrich	P6148	Dissolve in PBS and filter before use. Always work under a chemical hood.
DAPI	Sigma-Aldrich	32670	Can be added to the secondary antibody
Alizarin red	Sigma-Aldrich	A5533	
Janus Green	Sigma-Aldrich	201677	
Perchloric acid	Sigma-Aldrich	176745	Use with caution (skin and eye protection are recommended)
HCl	Sigma-Aldrich	320331	Use with caution (skin and eye protection are recommended)
Glycerol	Sigma-Aldrich	G5516	
Fluorsave	Calbiochem - Merck	345789	
Economy Tweezers #7, 0.40 x 0.5 mm tips	World Precision Instruments	501981	
Economy Tweezers #4, 0.40 x 0.45 mm tips	World Precision Instruments	501978	
Dissecting Scissors, straight, 10 cm curved	World Precision Instruments	14394	
Surgical Scissors, 14 cm, straight, S/S	World Precision Instruments	501218	
Culture flasks	Corning	430168	
Well-plates	Corning	3335	
Thermanox coverslips	Thermo Scientific Nunc	12-565-27	
Microscope	Zeiss Apotome		

Spectrometer	Safas Xenius		
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