

Materials List for:

Exploiting Live Imaging to Track Nuclei During Myoblast Differentiation and Fusion

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URL: <https://www.jove.com/video/58888>

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Materials

Name	Company	Catalog Number	Comments
chicken embryos extract	Seralab	CE-650-J	
collagenase	Sigma	C9263-1G	125units/mg
collagen from calf skin	Sigma	C8919	
dispase	Gibco	17105-041	1.78 units/mg
doxycyclin	Sigma	D1515	
DMEM	Sigma	D5671	
fetal bovine serum	Life technologies	10270106	
gentamicin	Sigma	G1397	
Horse serum	Invitrogen	16050-098	
Hoechst	life technologies	33342	
IMDM	Sigma	I3390	
L-glutamine	Sigma	G7513	
Matrigel	Corning	356231	
penicillin-streptomycin	Sigma	P0781	
red blood cells lysis medium	Biolegend	420301	
<u>Digestion medium</u>			
collagenase	40 mg		
dispase	70 mg		
PBS	20 ml		
filtered 0.22um			
<u>Blocking medium</u>			
DMEM			
Fetal bovine serum	10%		
L-glutamine	1%		
penicillin-streptomycin	1%		
gentamicin	1 ‰		
filtered 0.22um			
<u>proliferation medium</u>			
IMDM			
Fetal bovine serum	20%		
L-glutamine	1%		

penicillin-streptomycin	1%		
gentamicin	1 ‰		
chichen embryo extract	3%		
filtered 0.22um			
differentiation medium			
IMDM			
Horse serum	2%		
L-glutamine	1%		
penicillin-streptomycin	1%		
gentamicin	1 ‰		
chichen embryo extract	1%		
filtered 0.22um			