

Materials List for:

Mechanical stimulation of stem cells using cyclic uniaxial strain

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Materials

Name	Company	Catalog Number	Comments
Fungizone			aliquot is 250 ug/mL, 100x, stored in -20C.
Kanamycin			50 ug/mL final concentration. Store stock solution at 10 mg/ml in -20C.
Gentamycin			50 ug/mL final concentration. Store 1000x stocks at 50 mg/mL in -20C.
Pen/Strep			1% final. Commercially available from a variety of companies.

Notes on media: These uniaxial stretch experiments are prone to contamination. To combat this, we have tried various combinations of antibiotics and antifungal agents. Always add the 1% fungizone, and then use a combination of antibiotics. Either use the pre-mixed" Pen/Strep combination, OR use both Kanamycin and Gentamycin together (but DO NOT try using a combination/"cocktail" of three or more antibiotics together, as it may lead to resistant mutant bacteria, and it may also be bad for the cells).