

Materials List for:

## **Grafting of Beads into Developing Chicken Embryo Limbs to Identify Signal Transduction Pathways Affecting Gene Expression**

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## **Materials**

Name	Company	Catalog Number	Comments
Heparin acrylic beads	Sigma	H5263	The acrylic-heparin beads used have been discontinued. However a replacement product is available, Heparin agarose beads, cat no H6508. These are transparent so harder to work with but can be stained with phenol red in the same way as AG 1-X2 beads,
AG 1-X2 beads	Bio-Rad	140-1231	
Affi Gel blue beads	Bio-Rad	153-7301; 153-7302	These beads have been used with a range of growth factors including Shh and FGFs and can be used to replace heparin beads
FGF18	Peprotech	100-28	Resuspend in PBS with 0/1% BSA, prepare single use aliquots of 0.5-1ul and store at -80°C. Batches and suppliers can vary so different concentrations should be tested to determine an effective dose.
U0126	Cell Signalling	9903	Make to 20mM stock in DMSO and store in single use aliquots at -80°C. Protect from light.
BMS-493	Tocris Biosciences	3509	Resuspend in DMSO and store in single use aliquots at -80°C. Protect from light.
Black Indian ink	Windsor and Newton	5012572003384 (30 ml)	While alternatives to this product are available care should be taken as some inks are toxic to embryos
Tungsten wire, 0.1 mm dia. 99.95%	Alfa Aesar	10404	
Penicillin / streptomycin	Sigma	P0781	Dilute 100X in PBS/ink and PBS/ FCS