

Materials List for:

Large-scale Zebrafish Embryonic Heart Dissection for Transcriptional Analysis

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Materials

Name	Company	Catalog Number	Comments
Equipment for raising fish and collecting eggs			see the Zebrafish Book ¹¹ for details
Fluorescence stereomicroscope			
Refrigerated Microcentrifuge			
UV-Spectrophotometer			e.g. Thermo Scientific Nanodrop 2000
Nucleic acid electrophoresis chamber			
Petri dishes 4 cm Ø, coated with 1% agarose in E3 medium			
Micropipettes and tips (P20, P100, P1000)			
1.5 ml centrifugation tubes			
15 ml and 50 ml centrifugation tubes			
Pair of Dumont #5 forceps			
ExactaCruz™ Round Gel Loading Tips in Sterile Rack, 1-200µl	Santa Cruz	sc-201732	
100 µm filter (BD Falcon 100 mm Cell Strainer)	BD Biosciences	352360	
30 µm filter (Pre-Separation Filters-30 µm)	Miltenyi Biotec	130-041-407	
Phase lock gel, heavy, 1.5 ml tubes	Prime	2302810	
Egg water medium			60 µg/ml Instant Ocean Sea Salts in ddH2O, 0.00001% (w/v) Methylene Blue
E3 medium			5 mM NaCl, 0.17 mM KCl, 0.33 mM CaCl ₂ , 0.33 mM MgSO ₄
Tricaine (3-amino benzoic acidethylester)	Sigma-Aldrich	A-5040	4 mg/ml Tricaine stock solution, pH 7
1% agarose (in E3 medium)			
1% agarose gel (in TBE buffer)			
Leibovitz's L-15 medium	Gibco	21083-027	
FBS (Fetal Bovine Serum)	Sigma	F4135	
RNAlater	Ambion	AM7020	

Trizol	Ambion	1559606	
Glycogen	Invitrogen	10814-010	20 µg/µl in RNase-free water
chloroform			
isopropanol			
75% ethanol (in DEPC-ddH ₂ O)			
Nuclease-free water or sterilized DEPC treated ddH ₂ O			
Nucleic acid loading buffer			
TBE (Tris/Borate/EDTA) buffer for electrophoresis			