

Materials List for:

Dissection of Larval Zebrafish Gonadal Tissue

Xinjian Wang¹, Sijie Chen¹, Wei Zhang¹, Yiyuan Ren¹, Quan Zhang¹, Gang Peng¹

¹Institutes of Brain Science, State Key Laboratory of Medical Neurobiology and Collaborative Innovation Center for Brain Science, Fudan University

*These authors contributed equally

Correspondence to: Gang Peng at gangpeng@fudan.edu.cn

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Materials

Name	Company	Catalog Number	Comments
Cell culture dish 100 mm	Corning	430167	For embryo incubation
20x EM			For a 1 L needed: add 17.5 g NaCl, 0.75 g KCl and 2.9 g CaCl \cdot 2H $_2$ O; then add 0.41 g KH $_2$ PO $_4$, 0.412 g Na $_2$ HPO $_4$ anhydrous and 4.9 g MgSO $_4$ \cdot 7H $_2$ O.
1x EM			Dilute 20x EM in distilled water
AGAROSE G-10	Gene	121985	For preparing the 2% agar plates
Trizol Reagent	Invitrogen	15596-026	For RNA isolation
Meter glass	Shen Bo	250 ml	For preparing the 2% agar plates
Microwave Oven	Midea	M1-211A	For heating the AGAR
Tweezer DUMONT#5INOX	World Precision Instrument	500341	For dissection
Stereomicroscope	Motic	SMZ168	For dissection
Pure water equipment	Millipore		
Ringer's solution			For a 1 L needed: Add 6.78 g NaCl, 0.22 g KCl, 0.26 g CaCl $_2$ and 1.19 g Hepes; then fill to 1 L; Adjust pH to 7.2. Sterilize by filtration and keep in an autoclaved clear polycarbonate container.
Transfer pipette	Samco	202, 204	
Metal bath	QiLinbeier		Model GL-150
Microscope	Leica	M205 FA	For photomicrograph
Centrifuge	Eppendorf	5417R	
Micro Scale RNA Isolation Kit	Ambion	AM1931	For RNA isolation from gonad tissues
Dnase I	Sigma	AMPD1-1KT	For DNA digestion in the RNA solution
RevertAid First Strand cDNA Synthesis Kit	Thermo Scientific	#K1631	For first-strand cDNA synthesis
Rnase H	Thermo Scientific	#EN0202	For digesting the residual RNA in the cDNA solution.
SYBR Green Realtime PCR Master Mix	TOYOBO	QPK-201	This product is a Taq DNA polymerase-based 2x master mix for real-time PCR and applicable for intercalation assay with SYBR Green I.
Spectrophotometer	Ne Drop	OD-2000+	Measuring the concentration of the total RNA
Mastercycler	Eppendorf	AG 22331 Hamburg	gene expression profiling