

Materials List for:

Production of Haploid Zebrafish Embryos by *In Vitro* Fertilization

Paul T. Kroeger Jr.¹, Shahram Jevin Pouretezadi¹, Robert McKee¹, Jonathan Jou¹, Rachel Miceli¹, Rebecca A. Wingert¹

¹Department of Biological Sciences, University of Notre Dame

Correspondence to: Rebecca A. Wingert at rwingert@nd.edu

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Materials

Name	Company	Catalog Number	Comments
Hank's Stock Solution #1			8.0 g NaCl, 0.4 g KCl in 100 ml ddH ₂ O
Hank's Stock Solution #2			0.358 g Na ₂ HPO ₄ anhydrous; 0.60 g K ₂ H ₂ PO ₄ in 100 ml ddH ₂ O
Hank's Stock Solution #4			0.72 g CaCl ₂ in 50 ml ddH ₂ O
Hank's Stock Solution #5			1.23 g MgSO ₄ ·7H ₂ O in 50 ml ddH ₂ O
Hank's Premix			Combine in the following order: (1) 10.0 ml HS#1, (2) 1.0 ml HS#2, (3) 1.0 ml HS#4, (4) 86 ml ddH ₂ O, (5) 1.0 ml HS#5. Store all HS Solutions and Premix at 4 °C.
Hank's Stock Solution #6			0.35 g NaHCO ₃ in 10.0 ml ddH ₂ O; make fresh on day of use.
Hank's Final working solution			Combine 9.9 ml of Hank's Premix with 0.1 ml HS Stock #6
XX-Series UV Bench lamp	UVP	95-0042-05	Model XX-15S Bench Lamp
XX Bench Stand (Adjustable)	UVP	18-0062-01	Model XX-15 Stand
Embryo incubation dish	Falcon	35-1005	
50 X E3			250 mM NaCl, 8.5 mM KCl, 16.5 mM CaCl ₂ , 16.5 mM MgSO ₄ in distilled water. Supplement with methylene blue (1 x 10 ⁻⁵ M) (Sigma M9140) to inhibit contamination.
1 X E3			Dilute 50 X E3 in distilled water
Stereomicroscope	Nikon	SMZ645; SMZ1000	