

Materials List for:

Manipulation and *In Vitro* Maturation of *Xenopus laevis* Oocytes, Followed by Intracytoplasmic Sperm Injection, to Study Embryonic Development

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Materials

Name	Company	Catalog Number	Comments
Pregnant Mare Serum Gonadotropin (PMSG)	MSD Animal Health	Vm 01708/4309	PMSG-Intervet 5000iu powder and solvent for solution for injection
Ethyl 3-aminobenzoate methanesulfonate salt (MS222)	Sigma	A5040	For anesthesia
Liberase TM Research Grade	Roche	05 401 127 001	For oocyte defolliculation. Store at -20 °C.
Drummond Nanoject	Drummond Scientific Company	3-000-205/206	For microinjection
glass capillary	Alpha laboratories	7" Drummond #3-000-203-G/XL	For microinjection
Micropipette Puller	SUTTER Instrument	Model D-97	For microinjection
UltraPure Agarose	Invitrogen	16500-500	For <i>in vitro</i> maturation and ICSI
14 ml ultra-clear centrifuge tube	Beckman Coulter United Kingdom Ltd	344060	For sperm purification
OptiPrep Density Gradient Medium (Iodixanol)	Sigma	D1556	For sperm purification
Digitonin	Sigma	D141	Cell permeabilization reagent
Shaker	Hybaid	HB-SHK-1	For oocyte defolliculation
Dissecting microscope (Stereo zoom microscope)	ZEISS	Semi SV6	For oocyte collection and microinjection
50 µm pore filter	CellTrics	04-0042-2317	For sperm purification
Ultracentrifuge	Beckman Coulter	Optima L-100XP	For sperm purification
50 ml centrifuge tube	Cellstar Greiner Bio-One	227261 or 210261	Oocyte collection and defolliculation reaction
15 ml centrifuge tube	FALCON	352097	For sperm purification
90 mm Petri dish	Thermo Scientific	101VR20/C	
Easy-Grip Cell Culture Dish, 60 x 15 mm	FALCON	353004	
Easy-Grip Cell Culture Dish, 35 x 15 mm	FALCON	351008	