

Materials List for:

# The Power of Simplicity: Sea Urchin Embryos as *in Vivo* Developmental Models for Studying Complex Cell-to-cell Signaling Network Interactions

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URL: <https://www.jove.com/video/55113>

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## Materials

Name	Company	Catalog Number	Comments
Translational-blocking morpholino and/or splice-blocking morpholino	Gene Tools LLC	Customized	More information at <a href="http://www.gene-tools.com">www.gene-tools.com</a>
Glycerol	Invitrogen	15514-011	
FITC (dextran fluorescein isothiocyanate)	Invitrogen, Life Technologies	D1821	Make 25 mg/mL stock solution
Paraformaldehyde 16% solution EM Grade	Electron Microscopy Sciences	15710	
MOPS	Sigma Aldrich	M1254-250G	
Tween-20	Sigma Aldrich	23336-0010	
Formamide	Sigma Aldrich	47671-1L-F	
Yeast tRNA	Invitrogen	15401-029	
Normal Goat Serum	Sigma Aldrich	G9023-10mL	
Alkaline Phosphatase-conjugated anti-digoxigenin antibody	Roche	11 093 274 910	
Tetramisole hydrochloride (levamisole)	Sigma Aldrich	L9756-5G	
Tris Base UltraPure	Research Products International Corp	56-40-6	
Sodium Chloride	Fisher Scientific	BP358-10	
Magnesium chloride	Sigma Aldrich	7786-30-3	
BCIP (5-Bromo-4-Chloro-3-indolyl-phosphate)	Roche	11 383 221 001	
4 Nitro blue tetrazolium chloride (NBT)	Roche	11 383 213 001	
Dimethyl Formamide	Sigma Aldrich	D4551-500mL	
Potassium Chloride	Sigma Aldrich	P9541-5KG	
Sodium Bicarbonate	Sigma Aldrich	S5761-500G	
Magnesium Sulfate	Sigma Aldrich	M7506-2KG	
Calcium Chloride	Sigma Aldrich	C1016-500G	