

Materials List for:

# Simultaneous Pre- and Post-synaptic Electrophysiological Recording from *Xenopus* Nerve-muscle Co-cultures

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## Materials

Name	Company	Catalog Number	Comments
Insulin-Transferrin-Selenium	Sigma	I1884	
Human Chorionic Gonadotropin	Sigma	CG-10	
Vapor Pressure Osmometer	Wescor	5100C	
Minutien Pins	Fine Science Tools	26002-10	
Amphotericin B	Sigma	A4888	
Forceps	Fine Science Tools	11251-30	

Solution Name	Recipe
(a) NFR (Normal Frog Ringer (in mM))	116 NaCl, 2 KCl, 1.8 CaCl <sub>2</sub> , 5 Na <sup>+</sup> -HEPES, pH 7.35.
(b) 10% saline	10 ml NFR+90 ml deionized H <sub>2</sub> O
(c) CMF (Ca <sup>2+</sup> /Mg <sup>2+</sup> -free solution)	125 NaCl, 2 KCl, 1.2 EDTA, 5 Na <sup>+</sup> -HEPES, pH 7.35.
(e) L-15 Culture Media	50 ml L-15 media (Sigma L1518) + 50 ml NFR.
(g) K <sup>+</sup> -internal solution (in mM)	116 KCl, 1 NaCl, 1 MgCl <sub>2</sub> , 10 EGTA, 5 HEPES, pH 7.3
(h) K <sup>+</sup> -internal solution for Amphotericin B (in mM)	52 K <sub>2</sub> SO <sub>4</sub> , 38 KCl, 1 EGTA, 5 HEPES, pH 7.3

Table 1.