

Materials List for:

In Vitro* Ovule Cultivation for Live-cell Imaging of Zygote Polarization and Embryo Patterning in *Arabidopsis thaliana

Daisuke Kurihara^{*1,2}, Yusuke Kimata^{*1}, Tetsuya Higashiyama^{1,2,3}, Minako Ueda^{1,3}

¹Division of Biological Science, Graduate School of Science, Nagoya University

²Higashiyama Live-Holonics Project, JST-ERATO, Nagoya University

³Institute of Transformativ Bio-Molecules (ITbM), Nagoya University

*These authors contributed equally

Correspondence to: Daisuke Kurihara at kuri@bio.nagoya-u.ac.jp, Minako Ueda at m-ueda@itbm.nagoya-u.ac.jp

URL: <https://www.jove.com/video/55975>

DOI: [doi:10.3791/55975](https://doi.org/10.3791/55975)

Materials

Name	Company	Catalog Number	Comments
Nitsch basal salt mixture	Duchefa	N0223	
trehalose dihydrate	Wako Pure Chemical	206-18455	
MES	Dojindo	345-01625	
Gamborg's vitamin solution	Sigma-Aldrich	G1019	
35-mm glass-bottom dish	Matsunami Glass	D111300	
35 mm culture dish	Corning	430588	
PDMS	Dow Corning Co.	Sylgard184	
76 × 26 mm slide glass	Matsunami Glass	S1225	
18 × 18 mm slide glass	Matsunami Glass	C018181	
needle (gauge 0.40 mm)	Terumo	NN-2719S	
Immersion medium Immersol W 2010	Zeiss	444969-0000-000	
A1R MP	Nikon	A1RsiMP(1080) Ti-E-TIRF	
CSU-W1	Yokogawa Electric		It is a customized equipment, and thus Catalog Number is not available.
CV1000	Yokogawa Electric	CV1000-SP84	