

Materials List for:

# Efficient and Rapid Isolation of Early-stage Embryos from *Arabidopsis thaliana* Seeds

Michael T. Raissig<sup>1</sup>, Valeria Gagliardini<sup>1</sup>, Johan Jaenisch<sup>1</sup>, Ueli Grossniklaus<sup>1</sup>, Célia Baroux<sup>1</sup>

<sup>1</sup>Institute of Plant Biology and Zürich-Basel Plant Science Center, University of Zürich

Correspondence to: Célia Baroux at [cbaroux@botinst.uzh.ch](mailto:cbaroux@botinst.uzh.ch)

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## Materials

Name	Company	Catalog Number	Comments
<b>REAGENTS</b>			
Sigmacote	SIGMA	SL2-100 ml	
RNAse OUT	Invitrogen (life technologies)	10777-019	
First- strand buffer	Invitrogen (life technologies)	18064-022	contained in Superscript II package
DTT	Invitrogen (life technologies)	18064-022	contained in Superscript II package
Bovine serum albumin (BSA) 100x =10 mg/ml	New England Biolabs Inc.		Different suppliers will also work
Thin wall Capillaries 1.0 mm	World Precision Instruments	TW100F-4	
DNA LoBind tube 0.5 ml	Vaudaux-Eppendorf	0030108.035	
CellTricsΔ 30 μm	PARTEC	04-0042-2316	
5wells 10 mm diameter slides	Electron Microscopy Sciences	63421-10	
Formaldehyde Solution	Sigma-Aldrich	F1635	
Superfrost Plus slide	Thermo Fisher	J1800AMNZ	Menzel-Gläser
Tris	Amaresco	0497	
EDTA	Applichem	A2937	
Glycin	Fluka	50050	
SDS pellets	Roth	CN30.3	
Micro Pestle	VWR	431-0094	
Microfine insulin syringes	BD	U-100	
DEPC	Sigma-Aldrich	D5758	
Ethanol	Schauriau	ET00102500	
Forceps N5	Dumont	0108-5	
Bioanalyzer Pico Chip	Agilent Technologies	5067-1513	
<b>EQUIPMENT</b>			
Inverted microscope	Nikon TMS (Japan),		
Micromanipulator	Leitz		Leica
Micromanipulator Post mount LH1 probe	Leica microsystems	39430101	Different brand will also do the work
Vertical filament puller	Sutter instrument	P-20 model	Other model are also suitable
Cell Tram vario	Vaudaux-Eppendorf	5176.000.033	
Bioanalyzer	Agilent Technologies	2100	
Qubit Fluorometer	Invitrogen (life technologies)		