

Optical Clearing of Plant Tissues for Fluorescence Imaging

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Materials

Name	Company	Catalog Number	Comments
Calcofluor White	Sigma-Aldrich	F3543	Fluorescent Brightener 28; 100 mg/mL in H ₂ O
ClearSee			10% (w/v) xylitol, 15% (w/v) sodium deoxycholate, 25% (w/v) urea
Cover glass (18×18 No.1)	MATSUNAMI	C018181	
Cover glass (24×24 No.1)	MATSUNAMI	C024241	
Cover glass (25×60 No.1)	MATSUNAMI	C025601	
Desiccator	AS One	1-5801-11	
Hoechst 33342	DOJINDO	346-07951	1 mg/mL in H ₂ O
Needle	TERUMO	NN-2238S	
Parafilm	Bemis	PM-996	
Paraformaldehyde	Nacalai Tesque	26126-25	
Phosphate buffered saline, pH 7.4			
Silicone rubber sheet	AS One	6-9085-12	
Sodium deoxycholate	Tokyo Chemical Industry	C0316	Figure 6_1; Lot PSGYK-QB
Sodium deoxycholate	Kishida Chemical	260-71412	Figure 6_2; Lot C05543H
Sodium deoxycholate	Sigma-Aldrich	D6750	Figure 6_3; Lot SLBS7362
Sodium deoxycholate	Sigma-Aldrich	30970	Figure 6_4; Lot BCBW0612
Sodium deoxycholate	Nacalai Tesque	10712-96	Figure 6_5; Lot M5R3403
Sodium deoxycholate	FUJIFILM Wako Pure Chemical	194-08311	Figure 6_6; Lot LKL0648
Sodium hydroxide	Nacalai Tesque	31511-05	
Sodium sulphite	FUJIFILM Wako Pure Chemical	190-03411	
Urea	FUJIFILM Wako Pure Chemical	211-01213	
Vacuum pump	BUCHI	V-700	
Xylitol	FUJIFILM Wako Pure Chemical	248-00545	