

Materials List for

Wide-Field, Real-Time Imaging of Local and Systemic Wound Signals in *Arabidopsis*

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Citation

Uemura, T., Wang, J., Aratani, Y., Gilroy, S., Toyota, M. Wide-Field, Real-Time Imaging of Local and Systemic Wound Signals in *Arabidopsis*. *J. Vis. Exp.* (172), e62114, doi:10.3791/62114 (2021).

Date Published

June 4, 2021

DOI

10.3791/62114

URL

jove.com/video/62114

Materials

Name	Company	Catalog Number	Comments
<i>Arabidopsis</i> expressing GCaMP3	Saitama University		
<i>Arabidopsis</i> expressing CHIB-iGluSnFR	Saitama University		
GraphPad Prism 7	GraphPad Software		
L-Glutamate	FUJIFILM Wako	072-00501	Dissolved in a liquid growth medium [1/2x MS salts, 1% (w/v) sucrose, and 0.05% (w/v) MES; pH 5.1 adjusted with 1N KOH].
Microsoft Excel	Microsoft Corporation		
Murashige and Skoog (MS) medium	FUJIFILM Wako	392-00591	composition: 1x MS salts, 1% (w/v) sucrose, 0.01% (w/v) myoinositol, 0.05% (w/v) MES, and 0.5% (w/v) gellan gum; pH 5.7 adjusted with 1N KOH.
Nikon SMZ25 stereomicroscope	Nikon		
NIS-Elements AR analysis	Nikon		
1x objective lens (P2-SHR PLAN APO)	Nikon		
sCMOS camera (ORCA-Flash4.0 V2)	Hamamatsu Photonics	C11440-22CU	
Square plastic Petri dish	Simport	D210-16	