

Materials List for:

Real-time Imaging of Plant Cell Surface Dynamics with Variable-angle Epifluorescence Microscopy

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Materials

Name	Company	Catalog Number	Comments
Inverted microscope	Olympus	IX-73	
TIRF unit	Olympus	IX3-RFAEVAW	
TIRF objective lens	Olympus	UAPON 100 × OTIRF	NA = 1.49
Laser angle control box	Chuo Seiki	QT-AK	
Optically pumped semiconductor laser	Coherent	Sapphire™ LP USB 488-20 CDRH Laser	
510–550 nm band-pass filter	Olympus	U-FBNA	
EM CCD camera	Hamamatsu Photonics	ImagEM C9100-13	
C-mount camera magnification change unit	Olympus	U-TVCAC	
MetaMorph software	Molecular Devices	MetaMorph version 7.7.11.0	
TIRF microscopy manual	Olympus	AX7385	Instructions: Total Internal Reflection Illumination System (Printed in Japan on August 24, 2012)
Immersion oil	Olympus	Immersion Oil Typr-F	ne = 1.518 (23 degrees)