

Materials List for:

# Microwave Assisted Rapid Diagnosis of Plant Virus Diseases by Transmission Electron Microscopy

Bernd Zechmann<sup>1,2</sup>, Gerhard Graggaber<sup>1</sup>, Günther Zellnig<sup>1</sup>

<sup>1</sup>Institute of Plant Sciences, University of Graz

<sup>2</sup>Institute for Electron Microscopy and Fine Structure Research, Graz University of Technology

Correspondence to: Bernd Zechmann at [bernd.zechmann@uni-graz.at](mailto:bernd.zechmann@uni-graz.at)

URL: <https://www.jove.com/video/2950>

DOI: [doi:10.3791/2950](https://doi.org/10.3791/2950)

## Materials

Name	Company	Catalog Number	Comments
Glutaraldehyde	Agar Scientific	R1312	
Osmium tetroxide	Agar Scientific	R1022	
Agar 100 resin	Agar Scientific	R1043	
Dodecenyl succinic anhydride	Agar Scientific	R1051	
Methyl nadic anhydride	Agar Scientific	R1081	
Benzyl dimethylamine	Agar Scientific	R1060	
Lead citrate	Agar Scientific	R1210	
Uranyl acetate	Agar Scientific	R1260A	
Phosphotungstic acid	Agar Scientific	R1213	
Formvar	Agar Scientific	R1202	
Leica EM AMW	Leica Microsystems		
Leica (Reichert) Ultratrim	Leica Microsystems		Newer model is available
Leica (Reichert) Ultracut S	Leica Microsystems		Newer model is available
Diatome Ultra 45	Gröpl		
Philips CM10 TEM	FEI		Newer model is available
Cell D	Olympus Corporation		
Optimas 6.5.1	Media Cybernetics Inc.		Newer version is available