

Materials List for:

Scanning Electron Microscopy (SEM) Protocols for Problematic Plant, Oomycete, and Fungal Samples

M. Angélica Bello¹, Yolanda Ruiz-León², J. Vladimir Sandoval-Sierra³, Svetlana Rezinciuc⁴, Javier Diéguez-Urbeondo³

¹Biodiversity and Conservation Department, Real Jardín Botánico, CSIC

²Research Support Unit, Real Jardín Botánico, CSIC

³Mycology Department, Real Jardín Botánico, CSIC

⁴Division of Glycoscience, AlbaNova University Center, Royal Institute of Technology (KTH)

Correspondence to: M. Angélica Bello at mabello2@rjb.csic.es, Javier Diéguez-Urbeondo at dieguez@rjb.csic.es

URL: <https://www.jove.com/video/55031>

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Materials

Name	Company	Catalog Number	Comments
Acetic acid	No specific supplier		Skin irritation, eye irritation
aluminium stubs	Ted Pella, Inc.	16221	www.tedpella.com
Centrifuge tubes	No specific supplier		
Critical Point Dryer	Polaron Quatum Technologies	CPD7501	
D-(+)-Glucose	Merck	1,083,421,000	
Double sided sellotape	No specific supplier		
Ethanol absolute	No specific supplier		Flammable
European bacteriological agar	Conda	1800.00	www.condalab.com
Filter paper	No specific supplier		
Forceps	No specific supplier		
Formalin 4%	No specific supplier		Harmful, acute toxicity, skin sensitisation, carcinogenicity. Flammable
Glass cover slips	No specific supplier		
Glass hermetic container	No specific supplier		
Glutaraldehyde 25% DC 253857.1611 (L)	Dismadel S.L.	3336	www.dismadel.com
Mycological peptone	Conda	1922.00	www.condalab.com
needles	No specific supplier		
Petri dishes	No specific supplier		
Plastic containers	No specific supplier		
Sample holder with lid for the critical point dryer	Ted Pella, Inc.	4591	www.tedpella.com
scalpels	No specific supplier		
Scanning Electron Microscope	Hitachi	S3000N	
Software for SEM			
Solution A: NaH ₂ PO ₄			
Solution B: Na ₂ HPO ₄			
Specimen holders	No specific supplier		
Sputter coater	Balzers	SCD 004	
Stereomicroscope	No specific supplier		
Transmission Electron Microscope (TEM) grids	Electron Microscopy Sciences	G200 (Square Mesh)	www.emsdiassum.com

Tweezers	No specific supplier		
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