

Materials List for:

Sample Preparation Method of Scanning and Transmission Electron Microscope for the Appendages of Woodboring Beetle

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URL: <https://www.jove.com/video/59251>

DOI: [doi:10.3791/59251](https://doi.org/10.3791/59251)

Materials

Name	Company	Catalog Number	Comments
Anatomical lens	Chongqing Auto Optical limited liability company	1425277	
Carbon adhesive tape	SPI Supplies, Division of Structure Probes, Inc.	7311	
Carbon tetrachloride	Sigma	56-23-5	
Copper grids	GilderGrids	G300	
Disodium hydrogen phosphate	Sinopharm group chemical reagent co., LTD	10039-32-4	
Ethanol	J.T.Baker	64-17-5	
Flat embedding molds	Hyde Venture (Beijing) Biotechnology Co., Ltd.	70900	
Fluorescence microscope	LEICA	DM2500	
Glutaraldehyde	Sigma-Aldrich	111-30-8	Anhydrous EM Grade
Isophorone	Sigma	78-59-1	
Lead citrate	Sigma	512-26-5	
Methanol	Sigma	67-56-1	
Monobasic sodium phosphate	Its group chemical reagent co., LTD	7558-80-7	
Objective micrometer	Olympus	0-001-034	
Osmium tetroxide	Sigma	541-09-3	
Petri dish	Aldrich	1998	
Razor blade	Gillette		
Resin	Spurr	ERL4221	
Scalpel	Lianhui	GB/T19001-2008	
SEM	Hitachi	S-3400	
Silica gel desiccant	Suzhou Longhui Desiccant Co., Ltd.	112926-00-8	
Small brush	Martol	G1220	
Sodium hydroxide	Sigma	1310-73-2	
Sputter ion instrument	Hitachi Koki Co. Ltd., Tokyo, Japan	E-1010	
Stereo microscope	Leica	EZ4 HD	
TEM	Hitachi	H-7500	
Tween 20	Tianjin Damao Chemical Reagent	9005-64-5	

Ultramicrotome	Leica	UC6	
Ultrasonic cleaner	GT Sonic	GT-X1	
Uranyl acetate	Sigma	6159-44-0	