

Materials List for:

# A Method for Obtaining Serial Ultrathin Sections of Microorganisms in Transmission Electron Microscopy

Masashi Yamaguchi<sup>1</sup>, Hiroji Chibana<sup>1</sup>

<sup>1</sup>Medical Mycology Research Center, Chiba University

Correspondence to: Masashi Yamaguchi at [yama@faculty.chiba-u.jp](mailto:yama@faculty.chiba-u.jp)

URL: <https://www.jove.com/video/56235>

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## Materials

Name	Company	Catalog Number	Comments
Formvar making apparatus	Nisshin EM Co. Ltd., Tokyo	652	W 180 x D 180 x H 300 mm
Glass slide	Matsunami Co. Ltd., Osaka	-	76 x 26 x 1.3 mm
Aluminum rack with 4-mm holes	Nisshin EM Co. Ltd., Tokyo	658	W 30 x D 25 x H 3 mm, Refer to this paper
Stereomicroscope	Nikon Co. Ltd., Tokyo	-	SMZ 645
LED illumination for stereomicroscope	Nikon Co. Ltd., Tokyo	-	SM-LW 61 Ji
Trimming stage	Sunmag Co.Ltd., Tokyo	-	Tilting mechanism equipped, Refer to this paper
LED illumination for trimming stage	Sunmag Co.Ltd., Tokyo	-	Refer to this paper
Ultrasonic trimming blade	Nisshin EM Co. Ltd., Tokyo	5240	EM-240, Refer to this paper
Diamond knife for trimming	Diatome Co. Ltd., Switzerland	-	45°
Diamond knife for ultrathin sectioning	Diatome Co. Ltd., Switzerland	-	45°
Ultramicrotome	Leica Microsystems, Vienna	-	Ultracut S
Mesa cut	Leica Microsystems, Vienna	-	Mirror
0.5% Neoprene W solution	Nisshin EM Co. Ltd., Tokyo	605	
Special 3-slit nickel grid	Nisshin EM Co. Ltd., Tokyo	2458	Refer to this paper
Special 3-slit copper grid	Nisshin EM Co. Ltd., Tokyo	2459	Refer to this paper
Section-holding loop	Nisshin EM Co. Ltd., Tokyo	526	Refer to this paper
Water-surface-raising loop	Nisshin EM Co. Ltd., Tokyo	527	Refer to this paper
Staining tube	Nisshin EM Co. Ltd., Tokyo	463	Refer to this paper
Multi-specimen holder	JEOL Co. Ltd., Tokyo	-	EM-11170
JEM-1400	JEOL Co. Ltd., Tokyo	-	Transmission electron microscope