

Materials List for:

An *In Vivo* Method to Study Mouse Blood-Testis Barrier Integrity

Mengrou Liu^{*1}, Chunsen Zhu^{*1}, Shun Bai^{*2}, Xin Li¹, Kaiqiang Fu¹, Lan Ye¹, Ke Zheng¹

¹State Key Laboratory of Reproductive Medicine, Nanjing Medical University

²Center for Reproductive Medicine, Department of Obstetrics and Gynecology, The First Affiliated Hospital of USTC, Division of Life Sciences and Medicine, University of Science and Technology of China

*These authors contributed equally

Correspondence to: Ke Zheng at kezheng@njmu.edu.cn

URL: <https://www.jove.com/video/58512>

DOI: [doi:10.3791/58512](https://doi.org/10.3791/58512)

Materials

Name	Company	Catalog Number	Comments
Capillary puller	SUTTER INSTRUMENT (USA)	P-97	
10x PBS	Hyclone (USA)	SH30258.01	dilution to 1× in ddH ₂ O
4',6-diamidino-2-phenylindole (DAPI)	Sigma (USA)	F6057	
Adhesion microscope slides	CITOGLAS (China)	80312-3161	
Cadmium chloride	Sigma (USA)	655198-5G	
Confocal microscope	Zeiss (Germany)	LSM700	
Dust-free paper	Kimberly-Clark (USA)	34120	
Inulin-FITC	Sigma (USA)	F3272	
Microinjection capillaries	Zhengtianyi (China)	BJ-40	1.0 mm × 0.8 mm × 100 mm
Micropipette beveler	NARISHIGE (JAPAN)	EG-400	
OCT	SAKURA (JAPAN)	4583	
Paraformaldehyde	Sigma (USA)	P6148	
Pentobarbital sodium	Merck (Germany)	P11011	
Shaver	Yashen (China)		
Stereo microscope	Nikon (JAPAN)	SMZ1000	
Sucrose	Sangon Biotech (China)	A610498	
Surgical instruments	Stronger (China)		scissors, forceps, needle holder
Syringe	KDL (China)	20163150518	0.45 mm × 0.16 mm RW LB
thermostatic heater	KELL (Nanjing, China)	KEL-2010	
10x TBS, pH 7.6			
0.2 M Tris	Sangon Biotech (China)	A600194	
1.37 M NaCl	Sangon Biotech (China)	A610476	