

Materials List for

A Mouse Model of Pulmonary Fibrosis Induced by Nasal Bleomycin Nebulization

Dingyun Song^{1,2}, Yicong Chen^{1,3}, Xin Wang^{1,4}, Xueying Chen^{1,2}, Shuwei Gao^{1,3}, Wenxiu Xu^{1,3}, Shengnan Yang⁵, Zai Wang⁶, Liang Peng⁷, Huaping Dai^{1,2}

¹Department of Pulmonary and Critical Care Medicine, Center of Respiratory Medicine, China-Japan Friendship Hospital, National Clinical Research Center for Respiratory Diseases, Institute of Respiratory Medicine, Chinese Academy of Medical Sciences

²Graduate School of Peking Union Medical College, Chinese Academy of Medical Science and Peking Union Medical College

³Capital Medical University

⁴Beijing University of Chinese Medicine

⁵Tianjin Chest Hospital

⁶Institute of Clinical Medical Sciences, China-Japan Friendship Hospital

⁷Beijing Key Laboratory for Immune-Mediated Inflammatory Diseases, Institute of Clinical Medical Sciences, China-Japan Friendship Hospital

Correspondence to: Liang Peng at pengliang8028@163.com, Huaping Dai at daihuaping@ccmu.edu.cn

URL: <https://www.jove.com/video/64097>

DOI: [doi:10.3791/64097](https://doi.org/10.3791/64097)

Materials

Name	Company	Catalog Number	Comments
bleomycin	Bioway/Nippon Kayaku Co Ltd	DP721	Fibrosis model drugs
0.9% saline for injection	Baxter Healthcare(Tianjin)Co.,Ltd.		Bleomycin preparation
1 mL syringe	BD	300481	Anesthetize animals
10% neutral formalin buffer	TechaLab Biotech Company		Fix lung tissue
15 mL centrifuge tube	corning	430790	Prepare for anesthesia
20 °C refrigerator	New-fly group	BCD-213K	Store drugs
4 °C refrigerator	New-fly group	BCD-213K	Store drugs
Adobe illustrator cc2020	Adobe		Process images
blue back liquid	Beijing Chemical Works		tissue staining
clean bench	Suzhou Sujie Purifying Equipment Co.,Ltd.		Bleomycin preparation
differentiation fluid	Beijing Chemical Works		tissue staining
Electronic balance	METTLER TOLEDO	AA-160	Prepare for anesthesia
eosin stain	Beijing Yili Fine Chemicals Co.,Ltd.		tissue staining
Heating pad	HIDOM		Mice incubation
hematoxylin stain	Beijing Yili Fine Chemicals Co.,Ltd.		tissue staining
phosphate buffered saline (PBS) buffer	Hyclone	SH30256.01	Clean lung tissue
Photoshop drawing software	Adobe		Process images
SCIREQ INEXPOSE	EMKA Biotech Beijing Co.,Ltd.		Atomizing device
Upright fluorescence microscope	Olympus	BX53	Observe the slice