

# Establishing a Silicosis Rat Model via Exposure of Whole-Body to Respirable Silica

 Fuyu Jin<sup>1</sup>, Yaqian Li<sup>1</sup>, Tian Li<sup>1</sup>, Xinyu Yang<sup>1</sup>, Wenchen Cai<sup>1</sup>, Shifeng Li<sup>1</sup>, Xuemin Gao<sup>1</sup>, Fang Yang<sup>1</sup>, Hong Xu<sup>1</sup>, Heliang Liu<sup>1</sup>
<sup>1</sup>Hebei Key Laboratory for Organ Fibrosis Research, School of Public Health, North China University of Science and Technology

## Corresponding Authors

**Hong Xu**  
xuhong@ncst.edu.cn

**Heliang Liu**  
liuheliang@ncst.edu.cn

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[jove.com/video/64467](https://jove.com/video/64467)

## Materials

Name	Company	Catalog Number	Comments
Air detector (compressive atmospheric sampler)	Qingdao Xuyu Environmental Protection Technology Co. LTD		
Anatomical table			No specific brand is recommended.
Antibody of CD68	Abcam	ab201340	
DAB	ZSGB-BIO	ZLI-9018	
Electric heating air-blowing drier	Shanghai Yiheng Scientific Instrument Co., LTD		
Electronic balance	OHRUS		
Embedding machine	leica		
Exhaust gas discharge device	HOPE Industry and Trade Co. Ltd.		
Generator systems	HOPE Industry and Trade Co. Ltd.		
Gloves (thin laboratory gloves)	The secco medical		
Hematoxylin and eosin	BaSO Diagnostics Inc.	BA4025	
HOPE MED 8050 exposure control apparatus	HOPE Industry and Trade Co. Ltd.		
Inhalation chamber	HOPE Industry and Trade Co. Ltd.		
Injection syringe			No specific brand is recommended.
Light microscope	olympus		
Object slide	shitai		
PV-6000 (HRP-conjugated goat anti-mouse IgG polymer)	Beijing Zhongshan Jinqiao Biotechnology Co. Ltd	s5631	
Silicon dioxide	Sigma-Aldrich		
Slicing machine	leica	RM2255	
Waste gas treatment device	HOPE Industry and Trade Co. Ltd.		
Wet box	Cooperative plastic Products Factory		
Xylol	Tianjin Yongda Chemical Reagent Co., LTD		