

# Using An *In Vitro* Tissue Perfusion System to Detect the Functional Activities of Isolated Intestinal Tubes in Real Time

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## URL

jove.com/video/66243

## Materials

Name	Company	Catalog Number	Comments
Acetylcholine	Sigma, USA	A6625	
atropine	Sangon Biotech Co., Ltd., Shanghai, China	IA06501	
Barium chloride	Macklin Biochemical Co., Ltd., Shanghai, China	B861682	
CaCl <sub>2</sub>	Sangon Biotech Co., Ltd., Shanghai, China	A501330	
D-glucose	Sangon Biotech Co., Ltd., Shanghai, China	A610219	
drawing software	GraphPad Software, San Diego, California, USA	—	
Epinephrine	Sigma, USA	E4642	
HEPES	Xiya Reagent Co., Ltd., Shandong, China	S3872	
In vitro tissue perfusion system	PowerLab, ADInstruments, Australia	ML0146	
KCl	Sangon Biotech Co., Ltd., Shanghai, China	A100395	
KH <sub>2</sub> PO <sub>4</sub>	Sangon Biotech Co., Ltd., Shanghai, China	A100781	
LabChart Professional version 8.3	ADInstruments, Australia	—	
MgCl <sub>2</sub> ·6H <sub>2</sub> O	Sangon Biotech Co., Ltd., Shanghai, China	A100288	
NaCl	Sangon Biotech Co., Ltd., Shanghai, China	A100241	
NaHCO <sub>3</sub>	Sangon Biotech Co., Ltd., Shanghai, China	A100865	
nifedipine	Macklin Biochemical Co., Ltd., Shanghai, China	N5087	

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statistical analysis software	GraphPad Software, San Diego, California, USA	—	
Surgical sutures	Johnson, USA	—	