

Materials List for:

# Isolating and Using Sections of Bovine Mesenteric Artery and Vein as a Bioassay to Test for Vasoactivity in the Small Intestine

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URL: <https://www.jove.com/video/52020>

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## Materials

Name	Company	Catalog Number	Comments
Multi Myograph	Danish Myo Technologies	610M	A myograph is critical to this bioassay, but there are other platforms available for use that will suffice.
Powerlab 8/sp	ADInstruments	ML785	
LabChart 7	ADInstruments	Version 7	
Force Calibration Kit	Danish Myo Technologies	100055	Specific to DMT myographs
Bottle-top Filter	Nalgene	595-4520	0.22 µm pore size; 45 mm neck size
#5 Jewler's Forceps	Miltex	555008FT	Any brand of forceps can be used
Noyes Iris Scissors	Miltex	18-1510	Any brand of scissors can be used
Dissecting Scope	Zeiss	Stemi 2000-C	Any brand of dissecting light microscope will suffice
Adjustable Tissue Matrice	Braintree Scientific	TM C-12	This is not critical to the assay, but greatly reduces section to section variation in length and speeds up the slicing process greatly
Krebs-Henseleit Buffer	Sigma-Aldrich	K3753-10x1L	It is not necessary to buy Krebs, this can be made in house
Calcium chloride dehydrate	Sigma-Aldrich	C7902-500G	
Sodium bicarbonate	Sigma-Aldrich	S5761-500G	
Desipramine-HCl	Sigma-Aldrich	D3900-5G	
Propranolol-HCl	Sigma-Aldrich	P0884-1G	
KCl	Sigma-Aldrich	P9333-500G	
95% O <sub>2</sub> /5% CO <sub>2</sub>	Scott Gross	UN3156	