

Materials List for

Comprehensive Echocardiographic Assessment of Right Ventricle Function in a Rat Model of Pulmonary Arterial Hypertension

Paola C. Rosas^{*1}, Liomar A. A. Neves^{*2}, Peter B. Senese², Michael R. Gralinski²

¹Department of Pharmacy Practice, College of Pharmacy, University of Illinois at Chicago ²CorDynamics, Inc.

*These authors contributed equally

Corresponding Author

Liomar A. A. Neves
neves@cordynamics.com

Citation

Rosas, P.C., Neves, L.A.A., Senese, P.B., Gralinski, M.R. Comprehensive Echocardiographic Assessment of Right Ventricle Function in a Rat Model of Pulmonary Arterial Hypertension. *J. Vis. Exp.* (191), e63775, doi:10.3791/63775 (2023).

Date Published

January 20, 2023

DOI

10.3791/63775

URL

jove.com/video/63775

Materials

Name	Company	Catalog Number	Comments
0.9% sodium chloride injection USP	Baxter	2B1324	
Braided cotton rolls	4MD Medical Solutions	RIHD201205	
Depilating agent	Wallgreens	Nair Hair Remover	
Electrode gel	Parker Laboratories	15-60	
High frequency ultrasound image system and imaging station	FUJIFILM VisualSonics, Inc.	Vevo 2100	
Isoflurane	MedVet	RXISO-250	
Male sprague Dawley rats	Charles River Laboratories	CD 001	CD IGS Rats (CrI:CD(SD))
Monocrotaline (MCT)	Sigma-Aldrich	C2401	
Rectal temperature probe	Physitemp	RET-3	
Sealed induction chambers	Scivena Scientific	RES644	3 L size
Solid-state array ultrasound transducer	FUJIFILM VisualSonics, Inc.	Vevo MicroScan transducer MS250S	
Stainless steel digital calipers	VWR Digital Calipers	62379-531	
Ultrasound gel	Parker Laboratories	11-08	
Vevo Lab software	FUJIFILM VisualSonics, Inc.		Verison 5.5.1