

Materials List for

In Vivo Measurement of Hindlimb Dorsiflexor Isometric Torque from Pig

Benjamin T. Corona¹, Jarrod A. Call^{2,3}, Matthew Borkowski⁴, Sarah M. Greising⁵

¹School of Medicine, Wake Forest University ²Department of Kinesiology, University of Georgia ³Regenerative Bioscience Center, University of Georgia

⁴Aurora Scientific Inc. ⁵School of Kinesiology, University of Minnesota

Corresponding Author

Sarah M. Greising

grei0064@umn.edu

Citation

Corona, B.T., Call, J.A., Borkowski, M., Greising, S.M. *In Vivo* Measurement of Hindlimb Dorsiflexor Isometric Torque from Pig. *J. Vis. Exp.* (175), e62905, doi:10.3791/62905 (2021).

Date Published

September 3, 2021

DOI

10.3791/62905

URL

jove.com/video/62905

Materials

Name	Company	Catalog Number	Comments
615A Dynamic Muscle Control LabBook and Analysis Software Suite	Aurora Scientific Inc.	615A	Compatible Win Vista/7/10
892A Swine Isometric Footplate Test Apparatus	Aurora Scientific Inc.	892A	Includes Isometric Load Cell, Pig Footplate, Goniometer stage and positioners
Calibration Weights	Ohaus or similar	80850116	
Computer	Aurora Scientific or any vendor	601A	Computer must include data acquisition card and interface for software
Gauze pad	Various vendors		4 by 4 squares or similar
Monopolar Needle Electrodes	Chalgren, Electrode Store, or similar vendor	242-550-24TP, or DTM-2.00SAF	
Non-adhesive Flexiable Tape	3M, Coflex, or similar		4 inch by 5 yard role
Stimulator	Aurora Scientific or comparable	701C	Must include constant current stimulation mode