Materials List for:

Phosphorus-31 Magnetic Resonance Spectroscopy: A Tool for Measuring *In Vivo* Mitochondrial Oxidative Phosphorylation Capacity in Human Skeletal Muscle

Vidhya Kumar[1], Henry Chang[1], David A. Reiter[2], David P. Bradley[3], Martha Belury[4], Shana E. McCormack[5], Subha V. Raman[1]

[1]Davis Heart and Lung Research Institute, The Ohio State University

[2]Laboratory of Clinical Investigation, National Institute on Aging

[3]Division of Endocrinology, Diabetes and Metabolism, The Ohio State University

[4]Department of Human Sciences, Human Nutrition, The Ohio State University

[5]Division of Endocrinology and Diabetes, Department of Pediatrics, University of Pennsylvania

Correspondence to: Subha V. Raman at subha.raman@osumc.edu

URL: https://www.jove.com/video/54977
DOI: doi:10.3791/54977

Materials

Name	Company	Catalog Number	Comments
1.5 T MR Scanner	Siemens		manufacturer will not affect results
10 cm 31P transmit-receive coil, 1.5T compatible	PulseTeq		manufacturer will not affect results
3 fl oz Baby Oil	Johnson & Johnson		manufacturer will not affect results
Foam triangle cushion (Knee)	Siemens		manufacturer will not affect results
(3) plastic buckle resistive straps; table to table	Siemens		manufacturer will not affect results
(1) plastic buckle resistive strap; self-connecting	Siemens		

