

May 10, 2019

U Mass - Body composition (whole body)

DOI

<https://dx.doi.org/10.17504/protocols.io.xsqfndw>



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Protocol Citation: Jason Kim 2019. U Mass - Body composition (whole body). **protocols.io**
<https://dx.doi.org/10.17504/protocols.io.xsqfndw>

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Protocol status: Working

We use this protocol and it's working

Created: February 05, 2019

Last Modified: May 10, 2019

Protocol Integer ID: 20016

Keywords: Whole body lean mass, obesity, whole body fat mass, whole body lean mass, lean mass, body composition, measure of adiposity, water mass in awake mice, adiposity, mouse models of altered metabolism, altered metabolism, mass, water mass, whole body, body, magnetic resonance spectroscopy, awake mice

Abstract

Summary:

The EchoMRI 3-in-1 uses ¹H- magnetic resonance spectroscopy to noninvasively measure whole body fat mass, lean mass, and water mass in awake mice. Whole body fat mass is a measure of adiposity that is altered in obesity. Whole body lean mass may be altered by exercise and in mouse models of altered metabolism.

Materials

MATERIALS

 EchoMRI 3-in-1 **Echo Medical Systems**

Note:

EchoMRI, RRID:SCR_017104



- 1 Place awake mice into an instrument column.
- 2 Measure whole body fat mass, lean mass, and water mass using instrument standard operating procedure.