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Working

U Mass - Body composition (whole body) [↗](#)

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[dx.doi.org/10.17504/protocols.io.xsqfndw](https://doi.org/10.17504/protocols.io.xsqfndw)

Mouse Metabolic Phenotyping Centers

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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.

EXTERNAL LINK

<https://mmpc.org/shared/document.aspx?id=147&docType=Protocol>

MATERIALS

NAME	CATALOG #	VENDOR	CAS NUMBER	RRID
EchoMRI 3-in-1		Echo Medical Systems		

MATERIALS TEXT

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.



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