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Working

U Mass - Body composition (organs) 👄

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Mouse Metabolic Phenotyping Centers

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ABSTRACT

Summary:

The EchoMRI 3-in-1 uses 1H- magnetic resonance spectroscopy to noninvasively measure fat mass, lean mass, and water mass in individual organs. Fat, lean, and water mass composition in specific organs is altered in obesity.

EXTERNAL LINK

https://mmpc.org/shared/document.aspx?id=148&docType=Protocol

MATERIALS

NAME ~	CATALOG # V	VENDOR ~	CAS NUMBER \vee RRID \vee
EchoMRI 3-in-1		Echo Medical Systems	
Pentobarbital	NDC76478-501-50	Oak Pharmaceuticals, Inc.	

MATERIALS TEXT

Note:

EchoMRI, RRID:SCR_017104

- Euthanize mice using intraperitoneal injection of pentobarbital.
- Quickly dissect and extract specific organs to measure their composition. 2
- Place specific organ into an instrument column. 3
- Measure composition of organ using instrument standard operating procedure.

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