



SOP FOR ECHOMRI

Overview/Purpose

The objective of this SOP is to describe the procedure for body composition analysis performed with echoMRI system (echoMRI LLC, Houston, Tx) located in room BRT 0090E. The unit is portable so animals may also be scanned within an ULAR procedure room.

Owner of SOP and Responsibilities: **Kimerly Powell** is responsible for ensuring that the SOP is followed, updated as needed (including personnel changes) and that personnel conducting the procedures are appropriately trained.

Species – Mice, rats and rabbits

Agent Administration

No anesthesia or any contrast agent is required

Procedure

1. Animal will be placed in a clear plastic holder (vertical bore) without sedation or anesthesia. The holders have openings for ventilation, and animals have restricted movement during the procedure. The holder is inserted into a tubular space within the EchoMRI™ system and each scan takes less than 5 minutes. Animals up to 100g body weight can be imaged in the holder.
2. After scanning, animals will immediately return to normal caging. The holder will be cleaned of organic matter between cage mates and disinfected using Opti-cide or an equivalent product between cages.

Personnel conducting procedure must be up to date on all IACUC study team requirements.

Personnel not associated with an active protocol must create a profile that is up to date on IACUC study team requirements including a training narrative providing detail on experience for the techniques described in the SOP.

1. Kimerly Powell
2. Anna Bratasz
3. Michelle Williams
4. Katie Gallagher
5. Personnel listed on protocols referencing this SOP may perform this activity

Potential adverse effects

No adverse effects are anticipated.

Early Removal Criteria

In case of unexpected issues with animals at any time the PI /study team will be notified by the core staff and will be responsible for further animal monitoring, treatment or euthanasia as per the IACUC protocol.

Any unusual/unexpected symptoms will be reported to the ULAR veterinary staff for consultation.

History of Revisions

403-00 - new SOP approved by IACUC on 10/19/18