

CONSIDERATIONS WHEN APPROVING SAMPLE ACCESS TO THE CALERIE™ BIOREPOSITORY.

The CALERIE™ biorepository serves several purposes:

1. Provide access to biological samples for research directed at the effects of calorie restriction in humans.
2. Generate molecular data to curate the CALERIE™ data repository the goal of which is to further understanding of the integrated physiologic responses to calorie restriction in humans.

Stewardship of CALERIE™ biologic samples will be the responsibility of the CALERIE™ Steering Committee (SC) until such time as the committee yields such responsibility to another entity.

The CALERIE™ Steering Committee will make recommendations to the [NIA's AgingResearch Biobank](#) regarding access to samples according to the directives as set forth in the CALERIE™ Secondary Analysis Studies Guidelines Document to which this document is appended.

Proposals will be considered in the context of a biorepository impact statement generated by the proposing investigator in contact with NIA AgingResearch Biobank personnel.

A running record of the contents of the NIA AgingResearch Biobank is held there and access will be provided there.

The Biorepository contents will be reviewed by the CALERIE™ Steering Committee regularly and when necessary, but no less frequently than on a yearly basis.

Smart stewardship of samples will be the responsibility of the Steering Committee, according to the following table.

Sample Type	Depleted Short-term, Limited, Restricted Use	Critical Long-term Storage. Use under Exceptional Circumstances	Comments
Muscle	50 mg	10 mg	
Muscle RNA	5 mcg	2 mcg	
Fat	100 mg	25 mg	
Fat RNA	5 mcg	2 mcg	
Plasma	2 mL	500 µL	
Blood RNA	5 mcg	2 mcg	
Blood DNA	10 mcg	2 mcg	

Some limited mounted samples are available for histochemistry. Investigators seeking access to histochemistry samples should confer with the Steering Committee before submitting their proposals.

Note, these guidelines apply to each time point for a given participant. For example, if baseline, and 24-month samples are plentiful but 12-month samples are not for a participant, an investigator may only be allowed access to the baseline and 24-month samples.

CALERIE™ samples are considered non-renewable resources.

Depleted and Critical specimens shall be used only for studies that have direct relevance to the CALERIE™ primary hypotheses.

Samples qualified as **Depleted** will require consent of a majority of the SC and consent of a majority of a quorum of the ESC to provide access to the samples by study investigators.

Samples qualified as **Critical** will require unanimous consent of the SC and the ESC to provide access to the samples by study investigators.

All data generated by use of CALERIE™ human tissues will be return to the CALERIE™ SC to be added to the data repository at the earliest convenience of the investigator, but no later than six months after generation. An embargo period for publication may be provided to the investigator for publication of results prior to public release of the data.