Mouse Express® Mouse Tissue
L-Lysine ($^{13}$C$_6$, 97%) Enriched

Cambridge Isotope Laboratories, Inc. (CIL) is pleased to add intact stable isotope-enriched mouse tissue to its growing suite of products to assist the mass spectrometry proteomic community. The use of enriched mouse tissue as an internal standard allows for proteomic investigation at the tissue level$^{1,2}$ and will accelerate the quantitative proteome comparison across biological samples.

“The heavy labeled mouse tissue from CIL was extremely useful to validate labeled tissue produced in our own laboratory. We isolated peptides from the CIL tissue and ran our own independent analysis on a mass spectrometer. Based on these analyses we were confident to move forward with our proteomics experiments.”

– Dr. Jesse Rinehart
Yale University School of Medicine
Department of Genetics

“The addition of SILAM standards prepared from CIL’s Mouse Express brain tissue to subcellular fractionation and targeted LC-SRM/MS methodologies represents an essential powerful new tool for the study of neuropsychiatric illness.”

– Matthew L. MacDonald, PhD
University of Pittsburgh
Translational Neuroscience Program

References

Mouse Express L-Lysine ($^{13}$C$_6$, 97%)
Enriched Mouse Tissue is freshly frozen, intact mouse tissue

Specifications:
- **Strain:** C57BL/6
- **Age:** 6-9 weeks
- **Isotope enrichment:** $^{13}$C$_6$ in lysine >97%

Incorporation efficiency of Lys6 into peptides extracted from LysC digested mouse blood is determined with a single LC-MS run, by evaluating the ratios between labeled (Lys6) and unlabeled (Lys0) for all detected peptides.

**Form:** Intact tissue

**Storage:** -80° C

**Tissues:**
- Adipotic tissue (white)
- Adipotic tissue (brown)
- Bladder
- Brain
- Breast
- Eye
- Heart
- Kidney
- Liver
- Lung
- Muscle
- Ovary
- Serum
- Skin
- Spleen
- Stomach
- Testes
- Thymus

Various tissues, ages and sexes are available; please inquire.

To place an order please contact CIL: t: +1.978.749.8000 1.800.322.1174 (North America) cilsales@isotope.com

For international inquiries, please contact our International Customer Service Department at intlsales@isotope.com.

Supersedes all previously published literature