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Cambridge Isotope Laboratories, Inc.
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Euriso-Top

A CAMBRIDGE ISOTOPE LABORATORIES COMPANY

RESEARCH PRODUCTS

¹³C-Labeled Metabolite Yeast Extract

For Internal Standardization in Metabolomics

New!



Cambridge Isotope Laboratories, Inc. (CIL) is pleased to offer a dilute-and-shoot ¹³C-labeled metabolite yeast extract for use as an internal standard in MS-based quantitative or profiling studies of various sample types.¹⁻⁵

This isotopically enriched extract has been highly characterized by a number of methodologies and is amenable to a variety of research uses after simple reconstitution. The components in the extract span broad metabolic classes (e.g., amino and organic acids, sugar phosphates, coenzymes), biochemical pathways (e.g., citrate and glyoxylate cycle, amino acid and nucleotide metabolism), and cellular/molecular processes (e.g., immune system, blood coagulation, DNA metabolism).

Product Specifications

Criteria	Note
Shipping	Dried extract in 15 mL Falcon™ tube shipped on dry ice
Storage	-80°C, protected from light
Stability	Predominantly stable over 1.5 yr (extended stability tests ongoing)
Isotopic enrichment	>98% (via LC-MS for characteristic metabolites)
Chemical purity	99% (via LC-UV for characteristic metabolites)

Product Overview

Uses

- Targeted or untargeted, MS-based analysis
- Method and instrument QC
- Metabolite quantitation
- Biomarker discovery and verification

Benefits

- Reduce measurement uncertainty
- Improve precision and accuracy
- Enhance identification confidence
- Decrease development time and cost

Catalog No.	Description	Price (USD)
ISO1	Metabolite Yeast Extract (U- ¹³ C, 98%)*†	\$500

* Dry extract of >2 × 10⁹ *Pichia pastoris* cells (~15 mg).

† Produced by ISOTopic Solutions (isotopic-solutions.com).



References

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