

# Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

## University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility

RRID:SCR\_019300

Type: Tool

---

### Proper Citation

University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility  
(RRID:SCR\_019300)

---

### Resource Information

**URL:** <https://www.colorado.edu/geologicalsciences/resources/research-facilities/earth-systems-stable-isotope-laboratory>

**Proper Citation:** University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility (RRID:SCR\_019300)

**Description:** Designed to measure relative abundance of stable isotopes of light elements and molecules.

**Abbreviations:** CUBES-SIL

**Synonyms:** Colorado University at Boulder Earth Systems Stable Isotope Lab Core Facility, Earth Systems Stable Isotope Lab (CUBES-SIL), University of Colorado at Boulder Earth Systems Stable Isotope Lab Core Facility

**Resource Type:** access service resource, service resource, core facility

**Keywords:** USEDit, ABRF, measure relative abundance of stable isotopes, light elements and molecules

**Resource Name:** University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility

**Resource ID:** SCR\_019300

**Alternate IDs:** ABRF\_1099

**Alternate URLs:** <https://coremarketplace.org/?FacilityID=1099>

**Record Creation Time:** 20220129T080344+0000

**Record Last Update:** 20260806T054712+0000

---

## Ratings and Alerts

No rating or validation information has been found for University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility.

No alerts have been found for University of Colorado Boulder Earth Systems Stable Isotope Lab Core Facility.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 6 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#).

Harris CM, et al. (2025) Lipid hydrogen isotope compositions primarily reflect growth water in the model archaeon *Sulfolobus acidocaldarius*. *Applied and environmental microbiology*, 91(4), e0198324.

Caro TA, et al. (2025) Dissolved inorganic carbon supports robust anabolism and methanogenesis in actively serpentinizing rocks. *bioRxiv : the preprint server for biology*.

Maloney AE, et al. (2024) Large enrichments in fatty acid 2H/1H ratios distinguish respiration from aerobic fermentation in yeast *Saccharomyces cerevisiae*. *Proceedings of the National Academy of Sciences of the United States of America*, 121(20), e2310771121.

Halamka TA, et al. (2023) Production of diverse brGDGTs by *Acidobacterium Solibacter usitatus* in response to temperature, pH, and O<sub>2</sub> provides a culturing perspective on brGDGT proxies and biosynthesis. *Geobiology*, 21(1), 102.

Caro TA, et al. (2023) Hydrogen stable isotope probing of lipids demonstrates slow rates of microbial growth in soil. *Proceedings of the National Academy of Sciences of the United States of America*, 120(16), e2211625120.

Dahlin LR, et al. (2023) Heterologous expression of formate dehydrogenase enables photoformatotrophy in the emerging model microalga, *Picochlorum renovo*. *Frontiers in bioengineering and biotechnology*, 11, 1162745.