

Stable Isotopes for Paleodiet & Paleoenvironment

| Stable Isotopes for Paleodiet & Paleoenvironment | | Pretreatment | Micromilling | $\delta^{13}\text{C}$ by IRMS | $\delta^{15}\text{N}$ by IRMS | C:N ratio | $\delta^{18}\text{O}$ by IRMS | $\delta^{34}\text{S}$ by IRMS | Minimum, mg ¹ | Optimum, mg |
|--|----------------------|---|--------------|-------------------------------|-------------------------------|-----------|-------------------------------|-------------------------------|--------------------------|-------------|
| Standard (non-bone) samples ¹ | Pricing ² | (✓) included; (♦) by request no charge; (\$) add-on | | | | | | | Sample size | |
| $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ by EA-IRMS | \$16.50 | \$20 | \$20 | ✓ | ♦ | ♦ | | | please inquire | |
| $\delta^{34}\text{S}$ by EA-IRMS | please inquire | | | | | | | ✓ | | |
| $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ by GasBench-IRMS | \$21 | | | ✓ | | | ✓ | | | |
| Encapsulated samples ¹ | | | | | | | | | | |
| $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ by EA-IRMS | \$8.50 | | | ✓ | ♦ | ♦ | | | please inquire | |
| $\delta^{34}\text{S}$ by EA-IRMS | please inquire | | | | | | | ✓ | | |
| Whole bone and tooth samples (includes all required pretreatment and extraction) | | | | | | | | | | |
| $\delta^{13}\text{C}$ & $\delta^{15}\text{N}$ on collagen | \$120 | ✓ | \$20 | ✓ | ✓ | ✓ | | \$20 | 100 | 300-500 |
| $\delta^{13}\text{C}$ and $\delta^{18}\text{O}$ on bioapatite/enamel | \$75 | | | ✓ | | | ✓ | | 100 | 300-500 |
| All of the above | \$160 | | | ✓ | ✓ | ✓ | ✓ | \$20 | 200 | 1 g |
| ⁸⁷ Sr/ ⁸⁶ Sr on bone/tooth | \$200 | | | | | | | | 100 | 300-500 |
| Pb-series on bone/tooth | \$200 | | | | | | | | 100 | 300-500 |
| Please inquire about Volume Discounts and On-Campus rates for University System of Georgia & Emory University | | | | | | | | | | |
| ¹ Please contact us to discuss analysis of non-standard, ultra-small, or poorly preserved samples. ² Please inquire about custom suites of analyses. Additional charges may apply for samples requiring additional or difficult processing. Under certain circumstances samples may fail during the pretreatment or analytical process. We may seek recovery of partial or full cost of laboratory/analysis up to the point of failure. Rush services available for additional fee. | | | | | | | | | | |