

## AMS Radiocarbon Dating

	Standard (3 weeks)		Rush (7 days)		$^{14}\text{C}$ age by AMS		$\delta^{13}\text{C}$ 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		Optimum	
<b>Standard samples<sup>1</sup></b>	<b>Pricing<sup>2</sup></b>		<b>(✓) included; (♦) by request no charge; (\$) add-on</b>										<b>Sample size</b>							
charcoal, wood, seeds	\$450	\$800	✓	✓	♦										0.2	2-5 mg				
organic-rich sediment			✓	✓	♦										10	100 mg				
organic-poor sediment			✓	✓	♦										100	1-2 g				
paper, canvas, textile			✓	✓	♦										1	5-10 mg				
carbonates (shell, forminifera, coral)			✓	✓				✓							1-2	15-30 mg				
soil carbonates			✓	✓				✓							20-30	50-100 mg				
water DIC			✓	✓											100 mL	1 L				
<b>Bone and tooth samples<sup>1</sup></b>																				
collagen (extraction included)	\$500	\$900	✓	✓	✓	✓			\$20					100	1-2 g					
bioapatite/enamel			✓	✓				✓						100	1-2 g					
charred bone/tooth			✓	✓										100	0.5-1 g					
cremated or calcined bone/tooth			✓	✓										100	0.5-1 g					
collagen and bioapatite combo <sup>3</sup>	\$550	\$950	✓	✓	✓	✓	✓	✓	\$20				200	2-3 g						
<b>Prepared samples</b>																				
Combustion-ready samples	\$400	\$600	✓	✓										please inquire						
CO <sub>2</sub> gas	\$300	\$450	✓	✓																
Graphite (10 day turnaround)	\$180		✓																	

**University System of Georgia & Emory University: inquire about on-campus rates**

<sup>1</sup>Please contact us to discuss analysis of non-standard, ultra-small, or poorly preserved samples.

<sup>2</sup>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.

<sup>3</sup>Combo includes  $^{14}\text{C}$  age by AMS,  $\delta^{13}\text{C}$ ,  $\delta^{15}\text{N}$ , and C:N ratio on collagen, plus  $\delta^{13}\text{C}$  and  $\delta^{18}\text{O}$  on bioapatite/enamel.