

AMS Radiocarbon Dating

	Standard (3 weeks)		Rush (7 days)		^{14}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	
Standard samples¹	Pricing²		(✓) included; (◆) by request no charge; (\$) add-on									Sample size	
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, foraminifera, coral)			✓	✓			✓				1-2	15-30 mg	
soil carbonates			✓	✓			✓				20-30	50-100 mg	
water DIC			✓	✓							100 mL	1 L	
Bone and tooth samples¹													
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 ³	\$550	\$950	✓	✓	✓	✓	✓	✓	\$20	200	2-3 g		
Prepared samples													
Combustion-ready samples	\$400	\$600	✓	✓							please inquire		
CO ₂ gas	\$300	\$450	✓	✓									
Graphite (10 day turnaround)	\$120		✓										

Volume discount (10%) for batch of 10 or more samples

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

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

²Additional 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.

³Combo includes ^{14}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.