AMS Radiocarbon Dating

	Standard (3 weeks)	Rush (7 days)	^{14}C age by AMS	δ^{13}C by IRMS	δ^{15}N by IRMS	C:N ratio	δ^{18}O by IRMS	δ^{34}S by IRMS	Minimum, mg	Optimum
Standard samples [1]	**Pricing** [2]		(✓) 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, forminifera, coral)			✔	✔			✔		1-2	15-30 mg
soil carbonates			✔	✔			✔		20-30	50-100 mg
water DIC			✔	✓					100 mL	1 L
Bone and tooth samples [1]										
collagen (extraction included)	$500	$900	✔	✔	✔	✔		$20	100	1-2 g
bioapatite/enamel			✔	✔			✔		100	1-2 g
collagen and bioapatite combo [3]			✔	✔	✔	✔	✔	$20	200	2-3 g
charred bone/tooth			✔	✔					100	0.5-1 g
cremated or calcined bone/tooth			✔	✔			✔		200	0.5-1 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

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

[2] 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.

[3] Combo includes ^{14}C age by AMS, δ^{13}C, δ^{15}N, and C:N ratio on collagen, plus δ^{13}C and δ^{18}O on bioapatite/enamel.