

Service	Sample types	Analytical precision ( $\sigma$ )	Turnaround time(weeks)	Price (EUR), internal University of Helsinki	Price (EUR), external, VAT 0%
Radiocarbon analysis/dating (graphite-AMS, standard)	bone collagen, wood cellulose, food crust, cremated bone, shell, peat (ask other)	0.3 %	8	370	500
Radiocarbon analysis/dating (graphite-AMS, high precision)	bone collagen, wood cellulose, food crust, cremated bone, shell, peat (ask other)	0.2 %	12	550	710
Biobased carbon content analysis (graphite-AMS, ASTM D6866-21)	solid and liquid materials	0.3 %	4-6	300	380
Biobased carbon content analysis (CO <sub>2</sub> -AMS, ASTM D6866-21)	solid and liquid materials	<1 %	2-3	390	530
Luminescence analysis (OSL)	quartz-containing pottery, bricks, sediments	5-10%	20	310	700
FTIR analysis, for <sup>14</sup> C sample characterization	bone, cremated bone, parchment, wood		prior <sup>14</sup> C analysis	25	50
IRMS analyses ( $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ ), for <sup>14</sup> C sample characterization	bone collagen, wood cellulose, food crust	<0.3 ‰	adjacent to <sup>14</sup> C analysis	see Price list_IRMS_Laboratory of Chronology.pdf for the $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ analyses	
IRMS analyses ( $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ , $\delta^{18}\text{O}$ ), general	see Price list_IRMS_Laboratory of Chronology.pdf for $\delta^{13}\text{C}$ , $\delta^{15}\text{N}$ , $\delta^{18}\text{O}$ analyses				

10% discount applies for radiocarbon, biobased carbon content and luminescence analyses when number of samples is >10. Discounts for IRMS analyses are provided in Price list\_IRMS\_Laboratory of Chronology.pdf. The pricing is valid from the February 1, 2022 onwards until further notice.

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