

KPESIL - Keck Paleoenvironmental & Environmental Stable Isotope Laboratory (University of Kansas)

CURRENT RATES (2018)

	Rate Academic KU	Rate Academic Non-KU	Rate Non Academic (Commercial)	Peripheral-Mass spectrometer	Precision
EA $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of solid samples (includes %C and %N)	\$7.00	\$11.00	\$13.00	Costech Elemental Analyzer 4010- ThermoFinnigan MAT253 IRMS (continuous flow)	$\delta^{13}\text{C}=0.13\text{‰}$ $\delta^{15}\text{N}=0.27\text{‰}$
Gasbench $\delta^{13}\text{C}$ of CO_2 and air samples $\delta^{13}\text{C}$ & $\delta^{18}\text{O}$ of Carbonates	\$7.00 \$7.00	\$11.00 \$11.00	\$20.00 \$20.00	ThermoFinnigan GasBench II- ThermoFinnigan MAT253 IRMS (Continuous Flow)	$\delta^{13}\text{C}=0.06\text{‰}$ / $\delta^{18}\text{O}=0.13\text{‰}$
Picarro $\delta^{18}\text{O}$ + $\delta^2\text{H}$ of liquid samples	\$9.00	\$13.30	\$18.00	Cavity Ringdown Spectrometer (Laser)	$\delta^2\text{H}=0.2\text{‰}$ $\delta^{18}\text{O}=0.11\text{‰}$
TC/EA $\delta^{18}\text{O}$ of solid samples $\delta^{18}\text{O}$ and δD of liquid samples	\$10.00 \$10.00	\$15.70 \$15.70	\$29.00 \$29.00	ThermoFinnigan TC/EA- ThermoFinnigan MAT253 (Continuous Flow)	Phosphate $\delta^{18}\text{O}=0.34\text{‰}$ Cellulose $\delta^{18}\text{O}=0.19\text{‰}$
Kiel IV $\delta^{18}\text{O}$ and $\delta^{13}\text{C}$ of carbonates	\$7.00	\$11.00	\$15.00	ThermoFinnigan Kiel III- ThermoFinnigan MAT253 (Dual Inlet)	$\delta^{13}\text{C}=0.03\text{‰}$ $\delta^{18}\text{O}=0.05\text{‰}$
GC/TC III $\delta^{13}\text{C}$ and δD of methane samples	\$12.00	\$18.80	\$23.00	ThermoFinnigan Trace GC Ultra- ThermoFinnigan MAT253	unavailable
Labour Based Fees					
Lab Manager Time	\$30.00	\$30.00	\$75.00		
Lab Director Time	\$75.00	\$75.00	\$180.00		
Graduate Student Time	\$25.00	\$25.00	\$60.00		
Undergraduate Student Time	\$10.00	\$10.00	\$25.00		
Sample Decarbonation	\$3.00	\$3.00	\$7.50		
Material & Supplies not covered by fees	Actual Cost	Actual Cost	Actual Cost		
Special processing & handling	Cost of Materials & Labour. Minimum \$30.00	Cost of Materials & Labour. Minimum \$30.00	Cost of Materials & Labour. Minimum \$60.00		

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Rates subject to change