



COSMOGENIC RADIONUCLIDE (CRN) TARGET PREPARATION FACILITY

DIRECTOR
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<http://www.geog.ucsb.edu/~bodo/data.php?pg=data#crn>

RATES – NOVEMBER 2013

We have two sets of rates for processing samples in the UCSB Cosmogenic RadioNuclide (CRN) Target Preparation Facility: one for small to moderately-sized samples (up to 50g of pure quartz) and one for larger samples (>50g of pure quartz). There exist on-campus and off-campus rate – all visitors are charged off-campus rates. We offer some full sample processing service for \$500/sample plus chemical separation costs – please contact Bodo Bookhagen if you would like to discuss this. We have divided the various steps into four main categories. The rates are as follows (all currencies are in US-Dollars):

<i>Description</i>	<i>50g sample on / off campus</i>	<i>100g sample on / off campus</i>
1. Initial Sample Cleaning (breaking rocks, sieving, initial Hydrochloric acid bath)	on: \$12.00 off: \$13.00	on: \$19.00 off: \$22.00
2. Further sample cleaning and leaching (heavy-liquid separation, frothing, ultrasonic bath/hot-dog roller Hydrofluoric acid leaching)	\$140.00 \$162.00	\$193.00 \$221.00
3. Chemical Separation of Aluminum and Beryllium (digesting of sample in Hydrofluoric acid, ICP measurements, ion-exchange columns, further purifying steps of Aluminum- and Beryllium hydroxide)	\$83.00 \$95.00	\$107.00 \$123.00
4. AMS target loading (centrifuging, quartz-vial preparation, igniting in furnace, loading targets in glove box)	\$30.00 \$35.00	\$30.00 \$35.00
All four steps	\$265.00 \$305.00	\$350.00 \$400.00

Please contact Bodo Bookhagen at bodo@eri.ucsb.edu or 805.893.3568 if you have any further question.

Bodo Bookhagen
Director of the UCSB Cosmogenic RadioNuclide (CRN) Target Preparation Facility