



RADIOCARBON SAMPLE DATA SHEET

Please contact us at any time for advice, assistance or discussion of results.

SUBMITTER NAME: _____ DATE: _____

ADDRESS: _____

TELEPHONE: _____ FAX: _____ E-MAIL: _____

METHOD OF PAYMENT: PURCHASE ORDER ____ / CREDIT CARD ____ / CHECK ____ / BANK - WIRE TRANSFER ____

OTHER (SPECIFY) _____ PURCHASE ORDER # _____

CREDIT CARD #: _____ EXP. DATE MM/YR _____ AUTH. CODE _____

ZIP CODE TO WHERE YOUR CREDIT CARD COMPANY SENDS YOUR BILL: _____

YOUR SAMPLE CODE NUMBER:

PLEASE CHOOSE ≤ 12 INITIAL CHARACTERS TO APPEAR ON THE DATA REPORT SHEET
_____ ADDITIONAL LABELING IF NEEDED

INSTRUCTIONS TO LABORATORY

TECHNIQUE: **AMS**

RADIOMETRIC

DELIVERY SERVICE: **STANDARD** 20-30 BUSINESS DAYS
 ADVANCE within 14 BUSINESS DAYS
 PRIORITY within 6 BUSINESS DAYS
 TIME-GUIDE 2-3 BUSINESS DAYS

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ISOTOPE RATIOS **¹³C/¹²C is included in the analysis price**
 ¹⁵N/¹⁴N – bones only ratio analysis (diet indicator for bones)

COMPLEX / NON-STANDARD SERVICES ADDITIONAL FEES APPLY

- EXTENDED COUNTING** – RADIOMETRIC ANALYSIS ONLY – enhanced / optimal precision
- MICRO-SAMPLE AMS COUNTING** – AMS ONLY – 100-300 micrograms final carbon
- NON-BURNED BONE DATING** – COLLAGEN EXTRACTION REQUIRED – AMS ONLY
- CREMATED / BURNED BONE DATING** – CARBONATE EXTRACTION REQUIRED – AMS ONLY
- CELLULOSE EXTRACTION** – Non-burned wood and textiles with extreme contamination
- SOLVENT EXTRACTIONS** – AMS ANALYSIS ONLY – contamination by varnishes, preservatives, oils, tar, etc.

SAMPLE MATERIAL TYPE: _____ SAMPLE WEIGHT: _____

FOR CARBONATE SAMPLES: MARINE _____ (Delta-R = _____ +/- _____) or FRESH WATER _____
For Marine carbonates, visit <http://calib.qub.ac.uk/marine> to get the Delta-R value for the general geographical region of your site.

GENERAL GEOGRAPHIC LOCATION: _____
(REQUIRED FOR CALIBRATION OF CARBONATE SAMPLES – NOT REQUIRED FOR CALIBRATION OF ORGANIC SAMPLES) (OVER)

FOR ADDITIONAL INFORMATION FROM FRONT PAGE

EVIDENCE OF CONTAMINATION: _____

(ROOT PENETRATION, LEACHING, HUMIC ACIDS, ETC.)

COLLECTION, TREATMENT AND STORAGE PROCEDURES: _____

STRATIGRAPHIC AND ENVIRONMENTAL DETAILS: _____

(PLEASE PUT DRAWINGS AND ADDITIONAL TEXT HERE)

ADDITIONAL INFORMATION

GENERAL SAMPLE SIZE REQUIREMENTS

Smaller quantities than those listed can be analyzed. Size generally does not affect precision for AMS samples but does affect precision for radiometric samples. You are welcome to contact us before sending samples or to send the optimal sample size for your research and ask to be contacted with the best method of analysis.

AMS samples providing less than 300 micrograms final carbon require the Micro-Sample AMS service. Radiometric samples providing less than the optimal 3 grams final carbon are recommended for Extended Counting for enhanced precision and AMS for best precision.

QUANTITIES LISTED PRESUME MATERIALS ARE DRY AND FREE OF ADHERING / ASSOCIATED MATRIX.

Material	AMS	Radiometric
Charcoal	50 milligrams	20 grams
Wood	50 milligrams	50 grams
Dung	50 milligrams	20 grams
Plant, Seeds	20 milligrams	20 grams
Peat / Gyttja	1-2 grams	100 grams
Shell / coral / CaCO ₃	50 milligrams	50 grams
Organic sediment	2-5 grams	< 1000 grams
Inset (chitin)	50 milligrams	20 grams
Hair	20-50 milligrams	10 grams
Fish Otolith	5-10 mg	not available
Bone /Antler	2-10 grams	not available
Teeth	single tooth	not available
Burned /cremated bone	4-40 grams	not available
Phytoliths (extracted)	300 milligrams	not available
Pollen (extracted)	50 milligrams	not available
Forams	20 milligrams	not available
Water DIC as SrCO ₃	50 milligrams	30 grams
Water for DIC extraction	1 liter	not available

QUOTED DELIVERY DATES

You can depend on our commitment to prompt delivery of results. Only in rare instances due to acts of nature, interruption in essential services or other unforeseen circumstances would we anticipate any delay in the meeting of our delivery commitments. Please allow for this in your expectations and contract obligations.

LIMITATION OF DAMAGES – REPAYMENT SERVICE PRICE

It is agreed that in the event of any breach of any warranty or breach of contract, or negligence of Beta Analytic Inc., as well as its agents or representatives, the liability of Beta Analytic Inc., shall be limited to the repayment, to the purchaser (submitter), of the individual analysis price paid by him/her to Beta Analytic Inc.. Beta Analytic Inc., shall not be liable for any damages, either direct or consequential.