

## **LEIBNIZ AMS LABORATORY: Services and Prices**

Standard AMS dating service is for samples yielding one mg or more of carbon after standard chemical pretreatment (often acid-alkali-acid). The measuring precision will be better than 0.5% for "recent" i.e. <2000 years old samples which translates into an age uncertainty of  $\pm 40$  years; the uncertainty changes according to the age of the sample and will be larger for older material. Consultation with the Leibniz Laboratory about the samples prior to submission is therefore strongly advised. The accuracy of the results is tested with the frequent analysis of standard materials and laboratory intercalibrations. Prices don't include VAT.

**Standard service** € 400 ( $\pm 40$  years)

### **Special services:**

Express service within 2-3weeks\* € 620 ( $\pm 40$  years)

Fast service within 4-5 weeks\* € 510 ( $\pm 40$  years)

1% statistics ("recent") € 350 ( $\pm 80$  years)

0.3% statistics ("recent") € 510 ( $\pm 25$  years)

Dating of sample and extracted humic acids € 620 ( $\pm 40$  years)

### **Additional fees** for the following pretreatments:

Collagen extraction from bones  
with determination of the collagen content € 75

Cellulose extraction € 75

Pretreatment of samples with a carbon content of 1.0% or less € 80

### **Reductions** for already pretreated samples:

Purified Pollen € 50 \*\*

Pure CO<sub>2</sub> € 75 \*\*\*

Graphite € 170 \*\*\*

### **Cancellation fees** are applied when a sample is processed that yields no measurable amount of carbon:

Standard exam, pretreatment and combustion € 40

Collagen extraction € 50

\* Due to laborious sample preparation the shortest possible turnaround time for bone and sediment samples is 4-5 weeks.

\*\* Sample and sample pretreatment should be documented, a picture has to show the quality of the prepared sample.

\*\*\*To establish the quality of the sample preparation outside our laboratory these samples should be accompanied by

- at least one background sample
- one modern („recent“) standard sample
- one standard sample of similar composition and age as the unknown materials.

These samples have to be prepared in the same laboratory in substantially the same way as the unknown samples and will be charged as regular samples.