

Samples size

Material	Optimal weight (mg)
Wood	10-30
Charcoal	10
Bone	1500
Ivory	10-20 (contact us)
Textile, leather, paper	10
Macrofossils—plant remains, animal tissue	10
Peat (rootlets removed)	10
Bulk sediment	100 mg -500 mg
Bulk Carbonate	10+ (contact us)
Shells	10-50
Corals, Foraminifera (see note on packing)	10
Other samples...	contact us

Address:

Laboratory of Ion Beam Physics, ETH
Radiocarbon Laboratory, HPK H31
Otto-Stern-Weg 5
8093 Zurich
Switzerland

Sampling and Packing

Please take special care while sampling and packing your samples.

- **Avoid** contamination with modern carbon by keeping your sample away from dust, paper tissue, other mechanical contaminants.
- **Sample label** (referring to the label on the sample list) should be firmly secured on the sample.
- **List of samples**—**ALWAYS** attach hard copy of a list of samples (see templates) and email to c14@phys.ethz.ch. **PLEASE write in the email what special wishes you have: priority, material choice etc.**
- **Packing** samples is very important. Use aluminum foil or clean (new) plastic bags, or clean (new) glass/plastic vials. Please take care to **secure the lid and the vial from crushing** in the mail by wrapping it in bubble plastic.
- **Packing Forams:** important is to use vials that are easy to close/open.
- **CO₂ in tubes for graphite:** **use 6 mm diameter** (outside) and **important:** tube length **must be 8-10 cm**. Make sure the ends are well melted.
- Tubes for GIS 4 mm diameter (outside), **important:** tube length **must be 5-7cm** long—contact c14@phys.ethz.ch