



Stable Isotope Laboratory

The IZW stable isotope laboratory was established in 2006 and is now providing service for the analyses of $\delta^{13}\text{C}$, $\delta^{15}\text{N}$, and δD in solid organic samples, δD and $\delta^{18}\text{O}$ in water sample and $\delta^{13}\text{C}$ in breath samples.

Our equipment

2 Delta V Advantage (Thermo Finnigan, MAT, Bremen, Germany) connected in continuous flow with:

Flash EA 1112 (Thermo Finnigan)



High Temperature Pyrolysis (HEKAtech)



GasBench (Thermo Finnigan)



Microbalance (Sartorius)



Our laboratory standards are calibrated against NBS22, USGS24, L-SVEC, IAEA-N1, -N2, -NO3

Your samples

$\delta^{13}\text{C}$, $\delta^{15}\text{N}$: 0.4 mg dried, homogenized

δD , $\delta^{18}\text{O}$: 1.1 mg free of residual fat, dried and homogenized

-Solid samples preferably loaded in appropriate capsule and packed in 96 port microtiter plates

-Gas sample preferably loaded in 12 ml vacutainer vials

You may use our facility for loading your samples or we include it in our service.
Sample list as Excel sheet

For further information and prices please contact:

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