



Benzene line: equipment, laboratory setup and staff training

Installation of benzene line and short training (milestones)

(Installation and training take 10 days)

Day 1. Estimation of condition in lab, selection of place to work with equipment, beginning of installation of equipment (mounting and Set Up of benzene line).

Day 2. Continuation with installation, some introduction in equipment.

Day 3. Ending of installation, continuation of introduction in equipment, test of operation of equipment sub-sections, testing of heating of ovens. Testing of sample preparation procedures.

Day 4. and untill to the end. Active training:

- Wood sample > charcoal > carbide > acetylene > benzene > purification.
- Another wood sample > direct pyrolysis > carbide ...
- Use of different sample material - selection of appropriate technology steps.
- Sample pretreatment, use of appropriate sample mass. Work with complex samples.
- Simultaneous management of multiple samples on different stages of preparing of benzene.

Two days at the end:

- Checking of knowledge.
- Discussion of technologies used.
- Questions. Recommendations.

Operation of conventional radiocarbon dating laboratory includes:

- Arranging of Sample's inflow - it is up to you,
- Sample pretreatment - we will give you ideas,
- Production of benzene - we offer to you full package,
- Handling of vials - we offer you excellent performances,
- Liquid scintillation counting - we could give you introduction and some ideas,
- Data processing - quench correction, multiple windows counting, etc.

What more to read? : [Teflon vials](#) : [Benzene line Ceramic dating Teflon vials](#) [Wood pretreatment](#) : [Offer Benzene line](#) [Benzene line C14-vial](#) [Benzene Line Teflon vials](#) [Equipment](#)

[Benzene line](#) : [Equipment for carbon dating](#) : [Modern technology](#) : [Laboratory Setup](#) : [Training of staff](#)

Lab before



Benzene line (in boxes)



Benzene line (just installed)





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Page last saved at: [22/11/2013](#)

[Benzene line, Radio Carbon Dating Equipment](#)