



Principal Investigator:

Bjorn Mysen, rm. R204
ph. no. 8975

Secondary Contacts:

George Cody (R216 X8980)

Emergency Information:

Staff Member: 240-506-8427 (cell)

BBR (Gary Bors): 202-510-8577

All other emergencies: 911

Purpose:

Prepare samples for experiments in rooms 203 and 209 and to examine optically samples retrieved from the same experiments.

General Laboratory Features:

- (i) Do not offer to train any other user unless explicitly approved by responsible staff member. Otherwise, all training is done by responsible staff member
- (ii) All equipment brought into the lab or purchased for the lab must be approved by responsible staff member.
- (iii) Use insulating gloves whenever handling hot equipment and/or samples
- (iv) Use dark glasses when staring directly at samples at high temperature
- (v) The use of the torch for flame sealing of glass ampules requires special training. Do not use until trained.
- (vi) Appropriate regulators are required for compressed gasses
- (vii) All compressed tanks must be stored in the storage area. Unused tanks must have end-caps securely fastened. Do not store H₂ in close proximity to O₂. Do not use carbon monoxide
- (viii) All in-use tanks must be securely attached to fixed bodies, e.g. bench top
- (ix) Empty tanks are to be labeled "EMPTY" and returned to the loading dock storage area for pickup
- (ix) The use of instruments after hours is not restricted.
- (x) The repair of instruments is not to be attempted without responsible staff member's explicit approval
- (xi) Familiarize yourself with where the various chemicals are stored based on type, reactivity, and flammability
- (xii) Only dilute mineral acids may be discarded into marble chip baths. No chemicals may ever be poured into any sink or drain.
- (xiii) Chemicals that need to be disposed of shall be stored in appropriate cabinets until laboratory-wide storage removal is initiated (~ annually). When purchasing chemicals, try to buy as little as possible to minimize
- (xiv) All samples must be labeled in such a way as to be immediately identifiable. The use notebook numbers or other schemes is not sufficient. Unlabeled vials constitutes a serious offense and can lead to loss of laboratory privileges
- (xv) Keep Laboratory Doors Locked during off hours unless you are actively using the facility.
- (xvi) Fire extinguisher is located near entrance door
- (xvii) Emergency shut-off is located next to the entrance door
- (xviii) Emergency shower is located in middle of room



Laboratory User

I agree that I have thoroughly read and understood this laboratory safety document. I have access to this safety information at all times when I am working. I have been trained to be able to identify the hazards to which I may be exposed and to follow the work practices and procedures discussed in this document. I certify that I will conduct my research work safely and that I will be responsible for following stated safety policies.

User Name (Print)

User Signature

Date

Principal Investigator

I certify that the information presented in this safety document is accurate and complete. I agree to comply with all safety procedures and to fully train and supervise all researchers under my direction.

PI Signature

Date