

## NMR Lab Safety

- No metal objects, non-digital watches, coins, credit cards or other magnetic objects are allowed near the magnet. Do not allow persons with pacemakers, unapproved metal implants or tools in the magnet room.
- Samples must be prepared away from the instrument. No open chemical bottles, pipettes or other contaminating lab equipment is allowed on the computer desk, console or near the magnet. Prepared samples must be kept on the samples holder when not in the instrument.
- Sample tubes **must be** at least 7'' or 13 cm in length and the equivalent of Norel 509 s (rated for 500 MHz) or better. No cracked or chipped tubes allowed.
- There should be **NO LESS** than 4 cm of solution in the NMR tube. Samples should be filtered. For  $^1\text{H}$  NMR, the recommended

concentration is 5-20 mg/ml.

- Do not subject NMR tubes to high temperatures for long periods of time (this includes oven drying) as this will cause them to distort and become unusable.
- Users should **never** attempt to run experiments or perform other operations on the instrument that they have not been trained for.
- Users are asked to report problems **as soon as possible** so that the facility personnel may address them.
- The facility reserves the right to deny facility user privileges to anyone if the individual has insufficient knowledge and engages in unsafe practices or other unacceptable behavior.