

PINMRF

Bruker Avance DRX500-1 NMR Spectrometer with 5mm TXI Cryoprobe Room 367 WTHR

Cryoprobe Information and Warnings

1. Sample setup: the maximum sample depth for this probe is 19mm – a sample tube set deeper than this will damage the probe. If you are using a Shigemi tube, MAKE SURE it is one designed for use with a Bruker spectrometer.
2. Experiment setup: if you are setting up an experiment using a) a previous experiment, b) a previously saved parameter set, or c) Bruker standard parameters, you MUST execute the command `gpro` prior to acquiring data.
3. Instrument operation: use the command `cwobb` for probe tuning (instead of `wobb`).
4. Instrument operation: use the command `crplock` prior to observing C13; use `crpon` when going back to H1 observation.
5. Instrument operation: the temperature control unit (command: `edte`) must always be operating – use 298K for room temperature experiments.
6. Instrument operation: the temperature limits of this probe are +5 deg. to +55 deg. C.
7. Instrument operation: If you are using a pulse sequence other than the current standard Bruker sequences, you MUST check the document “Typical Pulses for the 5mm Cryoprobe” to be certain that your sequence and desired pulse power levels will not damage the probe. If you have any questions contact PINMRF staff.