

Please contact Jing to discuss your experimental needs **before** scheduling time on the spectrometer.

EPR Sample Preparation:

1. Maximum Volume (crucial at low temperatures!):
4 cm long in a **4 mm EPR tube** (approximately 500 μ l).
2. Solvent Choice:
Polar solvents (such as H₂O) absorb microwaves. Therefore, non-polar solvents are strongly preferred for EPR experiments.
3. Low Temperature Experiments:
If the sample is stable at room temperature, freeze it **after** inserting the tube into the sample holder.
4. Simulations:
Multiple EPR-active species in a single sample results in a complicated spectrum and a difficult simulation. Therefore, please try to limit your sample to a single species.
5. Exceptions:
Please see Jing in Merkert 107 if any of the above **suggestions** are difficult to follow.