



UCD School of Chemistry

Nuclear Magnetic Resonance Laboratory (L0.17/L0.18)

<h3 style="margin: 0;">Sample Request Form</h3> <p style="margin: 10px 0;">Copies of this form are available in L0.18, the NMR Laboratory and on the school web site.</p> <p style="margin: 10px 0;">Please tick boxes (<input type="checkbox"/>) as applicable.</p>		Name	
		Supervisor	
		Date submitted	
		Mobile #	
		Phone Ext #	
		Email	
Sample Name			
Your Sample Code			
Proposed Structure <i>(Please draw structure; necessary for NMR parameter selection)</i>			
Structural Formula			
Solvent	CDCl ₃ <input type="checkbox"/> Other: _____		
Sample Stability	Stable <input type="checkbox"/> Unstable <input type="checkbox"/> (Details): _____		
MWt Sample			
Wt of Sample			
Health Hazards			
Referencing	Use TMS <input type="checkbox"/> Other: _____		

Please tick (☐) requested experiments, and give ranges if required:

1D	<div style="display: flex; justify-content: space-between;"> <div> ¹H <input type="checkbox"/> ¹³C <input type="checkbox"/> ³¹P <input type="checkbox"/> ¹⁹F <input type="checkbox"/> DEPT 135 (CH or CH₃ against CH₂) <input type="checkbox"/> 1D NOESY <input type="checkbox"/> 1D TOCSY <input type="checkbox"/> </div> <div> from _____ to _____ ppm from _____ to _____ ppm from _____ to _____ ppm from _____ to _____ ppm from _____ to _____ ppm Irradiate at..... </div> </div>
2D (¹H-¹H)	<div style="display: flex; justify-content: space-between;"> <div> gCOSY <input type="checkbox"/> 2D TOCSY <input type="checkbox"/> 2D NOESY <input type="checkbox"/> </div> <div> from _____ to _____ ppm (¹H) from _____ to _____ ppm (¹H) from _____ to _____ ppm (¹H) </div> </div>
2D (¹H-X)	<div style="display: flex; justify-content: space-between;"> <div> HSQC (Short-range ¹H-X coupling) <input type="checkbox"/> HMBC (Long-range ¹H-X coupling) <input type="checkbox"/> HSQCTOXY (Short-range ¹H-¹³C coupling+TOSCY) <input type="checkbox"/> </div> <div> from _____ to _____ ppm (¹H) from _____ to _____ ppm (X= ¹³C <input type="checkbox"/> or ³¹P <input type="checkbox"/> or ¹⁹F <input type="checkbox"/> from _____ to _____ ppm (¹H) from _____ to _____ ppm (X= ¹³C <input type="checkbox"/> or ³¹P <input type="checkbox"/> or ¹⁹F <input type="checkbox"/> from _____ to _____ ppm (¹H) from _____ to _____ ppm (¹³C) </div> </div>
VT required (Samples run at 25°C otherwise) No <input type="checkbox"/> Yes <input type="checkbox"/> (Range) _____	
Other non-routine experiments (other nuclei, etc)	
Other notes	