



UCD School of Chemistry
Nuclear Magnetic Resonance Laboratory (L0.17/L0.18)

<h2 style="margin: 0;">Sample Request Form</h2> <p style="margin: 5px 0;">Copies of this form are available in L0.18, the NMR Laboratory and on the school web site.</p> <p style="margin: 5px 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	¹ H <input type="checkbox"/> from _____ to _____ ppm ¹³ C <input type="checkbox"/> from _____ to _____ ppm ³¹ P <input type="checkbox"/> from _____ to _____ ppm ¹⁹ F <input type="checkbox"/> from _____ to _____ ppm DEPT 135 (CH or CH ₃ against CH ₂) <input type="checkbox"/> from _____ to _____ ppm 1D NOESY <input type="checkbox"/> Irradiate at..... 1D TOCSY <input type="checkbox"/>	
2D <i>(¹H-¹H)</i>	gCOSY <input type="checkbox"/> from _____ to _____ ppm (¹ H) 2D TOCSY <input type="checkbox"/> from _____ to _____ ppm (¹ H) 2D NOESY <input type="checkbox"/> from _____ to _____ ppm (¹ H)	
2D <i>(¹H-X)</i>	HSQC (Short-range ¹ H-X coupling) <input type="checkbox"/> from _____ to _____ ppm (¹ H) from _____ to _____ ppm (X= ¹³ C <input type="checkbox"/> or ³¹ P <input type="checkbox"/> or ¹⁹ F <input type="checkbox"/> HMBC (Long-range ¹ H-X coupling) <input type="checkbox"/> from _____ to _____ ppm (¹ H) from _____ to _____ ppm (X= ¹³ C <input type="checkbox"/> or ³¹ P <input type="checkbox"/> or ¹⁹ F <input type="checkbox"/> HSQCTOXY (Short-range ¹ H- ¹³ C coupling+TOCSY) <input type="checkbox"/> from _____ to _____ ppm (¹ H) from _____ to _____ ppm (¹³ C)	
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		