

## Open-Access Experiment Submission Details

Experiment Code and Description	Price	Submission Rules
<u>PROTON</u> – Quick <sup>1</sup> H with 16 scans – 1.5 minutes	↑	↑
<u>PROTON PRESAT</u> – 32 scan <sup>1</sup> H with presaturation – 4 minutes		
<u>1H SW=40 O1P=12</u> – Wide sweep width 35 to -15ppm – 32 scans – 2 minutes		
<u>1H + QUICK COSY</u> – 4 scan <sup>1</sup> H + COSY during day, need >5mg – 8 minutes		
<u>19F - 1H DECOUPLED + 1H</u> – 64 scan <sup>19</sup> F decoupled + 16 scan <sup>1</sup> H – 4 minutes	ALL £1.00	Submit up to <b>THREE</b> of these <b>SHORT</b> experiments in any one slot
<u>31P – 1H DECOUPLED + 1H</u> – 64 scan <sup>31</sup> P decoupled + 16 scan <sup>1</sup> H – 5.5 minutes	↓	↓
<u>11B + 1H</u> – 128 scan <sup>11</sup> B background suppressed + 16 scan <sup>1</sup> H – 4.5 minutes		
<u>1H PARAMAGNETIC</u> – <sup>1</sup> H wide sweep width (700ppm, O1P=250ppm) for paramagnetic samples – 5 minutes		
<b>TO SUBMIT 1H AT NIGHT</b> – 16 scan <sup>1</sup> H runs at night, multiple samples are allowed to be submitted using this expt.		
<u>PROTON 128 SCANS</u> – <b>OVERNIGHT</b> Long 128 scan <sup>1</sup> H for low concentration samples – 14 minutes	↑	↑
<u>LONG 19F OVERNIGHT</u> – <b>OVERNIGHT</b> 1024 scan <sup>19</sup> F proton decoupled + 16 scan <sup>1</sup> H – 33 minutes		
<u>LONG 31P OVERNIGHT</u> – <b>OVERNIGHT</b> 768 scan <sup>31</sup> P proton decoupled + 16 scan <sup>1</sup> H – 43 minutes		
<u>19F – 1H COUPLED + DECOUPLED + 1H</u> – <b>OVERNIGHT</b> 64 scan <sup>19</sup> F proton decoupled + 128 scan <sup>19</sup> F proton coupled + 16 scan <sup>1</sup> H – 8 minutes		
<u>1H <sup>13</sup>C DEPT</u> – 4 scan <sup>1</sup> H, 64 scan <sup>13</sup> C, 32 scan DEPT135 during day – 10 minutes	↓	↓
<u>LONG <sup>13</sup>C OVERNIGHT</u> – <b>OVERNIGHT</b> 128 scan <sup>1</sup> H, 800 scan <sup>13</sup> C + 360 scan DEPT135 – 120 minutes		
<u>LONG <sup>13</sup>C &amp; HSQC OVERNIGHT</u> - <b>OVERNIGHT</b> – 16 scan <sup>1</sup> H, 800 scan <sup>13</sup> C + 4 scan NUS DEPT edited-HSQC – 95 minutes		
<u>CHARACTERISATION</u> - <b>OVERNIGHT</b> – <sup>1</sup> H, <sup>13</sup> C, DEPT, COSY, HSQC, HMBC – 95 minutes for dilute samples		
<u>NOESY FOR CONC. SAMPLES</u> – <b>OVERNIGHT</b> <sup>1</sup> H + 2D NOESY Mixing time = 0.6s + COSY	£4.00	↓