<table>
<thead>
<tr>
<th>MODEL</th>
<th>PROBE</th>
<th>SENSITIVITY*</th>
<th>TEMP RANGE</th>
<th>AVAILABLE EXPERIMENTS</th>
<th>REMARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agilent DD2-600 NMR</td>
<td>5mm inverse triple-res.</td>
<td>1200 (H), 100 (C)</td>
<td>-20 to 80 °C</td>
<td>nD (1H, 13C)</td>
<td>z-gradient only</td>
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<td></td>
<td>4mm nanoprobe</td>
<td>2000 (H)</td>
<td>0 to 50 °C</td>
<td>1H nD</td>
<td>1H HRMAS only</td>
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<tr>
<td>Varian I500 NMR</td>
<td>5mm idpfg</td>
<td>800 (H), 100 (C)</td>
<td>-80 to +120 °C</td>
<td>nD (1H, 13C)</td>
<td>all 1H detected expts, 1H/13C HRMAS</td>
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<td></td>
<td>4mm nanoprobe</td>
<td>2000 (H)</td>
<td>0 to 50 °C</td>
<td>nD (1H, 13C)</td>
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<tr>
<td>Varian I500C NMR</td>
<td>5 mm idpfg</td>
<td>800 (H), 100 (C)</td>
<td>-80 to +120 °C</td>
<td>nD (1H, 13C)</td>
<td>all 1H detected expts, highest 13C sensitivity</td>
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<td>5mm X probe</td>
<td>400(H), 250 (C)</td>
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<tr>
<td>Agilent I500B NMR</td>
<td>5 mm idpfg</td>
<td>800 (H), 100 (C)</td>
<td>-80 to +120 °C</td>
<td>nD(1H,13C,F19)</td>
<td>all 1H detected expts, highest 19F sensitivity highest 1H mass sen.</td>
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<td>5 mm HFC</td>
<td>700(H), 100 (C)</td>
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<td></td>
<td>CapNMR probe</td>
<td>40**</td>
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<tr>
<td>Varian M400 NMR</td>
<td>5 mm 4-nuclei</td>
<td>180 (H), 180 (C)</td>
<td>-80 to +120 °C</td>
<td>1D, 2D (1H)</td>
<td>z-gradient,</td>
</tr>
<tr>
<td>Varian M400B NMR</td>
<td>5 mm 4-nuclei</td>
<td>180 (H), 180 (C)</td>
<td>-80 to +120 °C</td>
<td>1D, 2D (1H, 31P,13C, 19F)</td>
<td>z-gradient</td>
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<tr>
<td>JEOL J400 NMR</td>
<td>5 mm HF/X</td>
<td>400 (H), 240(C)</td>
<td>-80 to +120 °C</td>
<td>1D, 2D (1H, 19F, 13C, X)</td>
<td>Auto-tuning Sample changer</td>
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<tr>
<td>Bruker E500 EPR</td>
<td>ER4102SHQ</td>
<td>3000</td>
<td>3 to 300 °K</td>
<td>EPR</td>
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<td>Bruker MicroTof MS</td>
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<td>LCMS</td>
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<td>FTIR</td>
<td>ATR</td>
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<td>QD MPMS</td>
<td>SQUID</td>
<td>1.8 to 400 °K</td>
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<td>MPMS</td>
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</tbody>
</table>

*The 1H sensitivity is measured by the S/N of the largest peak in the methylene quartet of 0.1% Ethylbenzne in deuterated chloroform in a Wilmad 528pp tube. The 13C sensitivity is measured by the S/N of the largest peak in the spectrum of 40% p-dioxane in per-deuterated benzene (ASTM) in a Wilmad 528 tube. **The CapNMR probe sensitivity is measured by the S/N of the anomeric proton peak of 10 mM sucrose in D2O.