## Extremely High Sensitivity Cryogenic Probe, UltraCOOL Probe

We successfully developed UltraCOOL probe that enables reduction of thermal noise and achieves extremely high sensitivity by keeping the detection coil and pre-amplifier of probe at a very low temperature. This probe makes it possible to reduce the measurement time of <sup>13</sup>C NMR to 1/25, compared to conventional room temperature probes.

