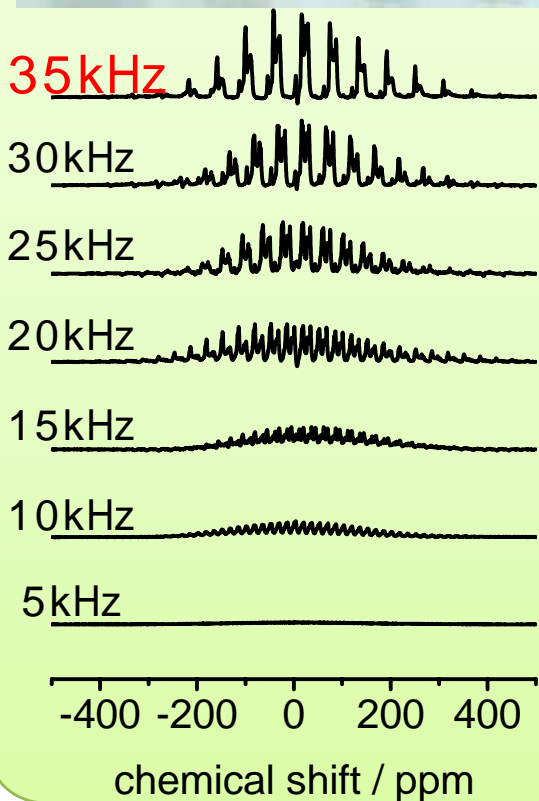


35 kHz 2.5 mm CPMAS probe for ssNMR

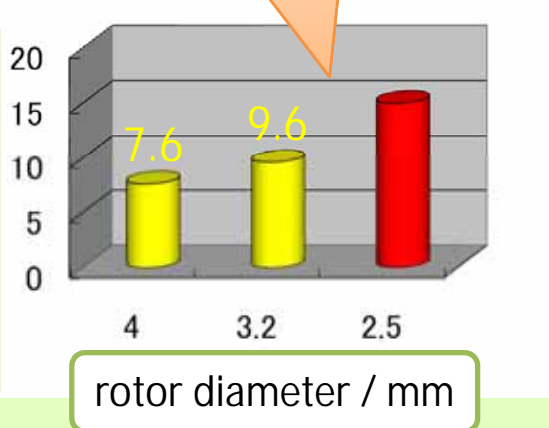
We introduce a brand new CPMAS probe with 2.5 mm rotor which can be spun up to 35 kHz. This probe enables a large sample volume of 17 μl (9.5 μl with spacer), high power rf irradiation, and high sensitivity for volume limited samples. The new sampling tool kit is also available.



high sensitivity per unit volume
16



sensitivity per unit volume



^1H spectrum of $\text{Mn}(\text{acac})_3$ which include paramagnetic ion $\text{Mn}(\text{III})$. 2.5 mm CPMAS probe provide excellent spectra for paramagnetic samples.

tuning range	:	HF: ^1H LF: $^{31}\text{P} \sim ^{29}\text{Si}, ^2\text{H}, ^{17}\text{O}, ^{15}\text{N}$
maximum spinning frequency	:	35 kHz
90 degree pulse width of ^1H (600 MHz)	:	1.4 μs (RF strength: 180 kHz)
90 degree pulse width of ^{13}C (150 MHz)	:	1.5 μs (RF strength: 167 kHz)
temperature range	:	RT ~ 80
sample volume	:	17 μl (9.5 μl with spacer)