



¹ L. Chi, A. R. Pfaff, M. Huang, R. E. Gerald II, J. Huang, K. Woelk, CapPack™ devices for accelerated performance evaluation of NMR pulse sequences (submitted to *J. Magn. Reson.*)

² E. T. Satterfield, A. R. Pfaff, W. Zhang, L. Chi, R. E. Gerald II, K. Woelk, Exponentially Converging Eradication Pulse Train (EXCEPT) for Solvent-Signal Suppression in Investigations with Variable T_1 Relaxation Times, *J. Magn. Reson.* **2016**, 268, 68–72.

1D NMR profiles of a Gradient CapPack™ in a 5 mm NMR sample tube under a y-axis gradient with and without EXCEPT selective signal suppression

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Field strength: 200 MHz

Why is this your favorite spectrum?

I was inspired by the looks of this Gradient CapPack™ spectrum. It shows the signals of 10 side-by-side capillaries in an NMR sample tube under a y-axis gradient. The well-resolved CapPack signals and the round profiles of the lock solvent reminded me of the front grille and the wheel wells of a Jeep Wrangler. The soccer ball selectively destroys the grille just like the EXCEPT solvent-suppression sequence selectively saturates resonances in the targeted area.

Comments: I almost had more fun drawing the picture around the spectrum than actually taking the spectrum (but only “almost”).