

Table 3. MnCl₂ T₂ contrast spheres values at 1.5 T for serial numbers 0001-0041 (batch #1). Measured at 20°C.^a

	Nominal Concentration, MnCl ₂ (+/- 5% mM)	T ₁ (ms)	T ₁ Standard Deviation, SD _{3R} (ms)	T ₂ (ms)	T ₂ Standard Deviation, SD _{3R} (ms)
MnCl ₂ -1	0.013	2,480	10.8	581.3	0.39
MnCl ₂ -2	0.021	2,173	14.7	403.5	0.55
MnCl ₂ -3	0.031	1,907	10.3	278.1	0.28
MnCl ₂ -4	0.047	1,604	7.2	190.94	0.011
MnCl ₂ -5	0.069	1,332	0.8	133.27	0.073
MnCl ₂ -6	0.101	1,044	3.2	96.89	0.049
MnCl ₂ -7	0.145	801.7	1.70	64.07	0.034
MnCl ₂ -8	0.207	608.6	1.03	46.42	0.014
MnCl ₂ -9	0.296	458.4	0.33	31.97	0.083
MnCl ₂ -10	0.421	336.5	0.18	22.56	0.012
MnCl ₂ -11	0.599	244.2	0.09	15.813	0.0061
MnCl ₂ -12	0.849	176.6	0.09	11.237	0.0057
MnCl ₂ -13	1.104	126.9	0.03	7.911	0.0037
MnCl ₂ -14	1.704	90.9	0.05	5.592	0.0055

Table 4. MnCl₂ T₂ contrast spheres values at 3.0 T for serial numbers 0001-0041 (batch #1). Measured at 20°C.^a

	Nominal Concentration, MnCl ₂ (+/- 5% mM)	T ₁ (ms)	T ₁ Standard Deviation, SD _{3R} (ms)	T ₂ (ms)	T ₂ Standard Deviation, SD _{3R} (ms)
MnCl ₂ -1	0.013	2,376	2.2	939.4	1.11
MnCl ₂ -2	0.021	2,183	1.2	594.3	0.32
MnCl ₂ -3	0.031	1,870	6.0	416.5	1.13
MnCl ₂ -4	0.047	1,539	3.8	267.0	0.11
MnCl ₂ -5	0.069	1,237	0.4	184.9	0.11
MnCl ₂ -6	0.101	1,030	1.7	140.6	0.05
MnCl ₂ -7	0.145	752.2	1.12	91.76	0.029
MnCl ₂ -8	0.207	550.2	0.18	64.84	0.029
MnCl ₂ -9	0.296	413.4	0.29	45.28	0.029
MnCl ₂ -10	0.421	292.9	0.15	30.62	0.014
MnCl ₂ -11	0.599	194.9	0.08	19.76	0.017
MnCl ₂ -12	0.849	160.2	0.23	15.99	0.012
MnCl ₂ -13	1.104	106.4	0.02	10.47	0.006
MnCl ₂ -14	1.704	83.33	0.10	8.15	0.011